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Amherst College Bulletin

CATALOG ISSUE 1955-56

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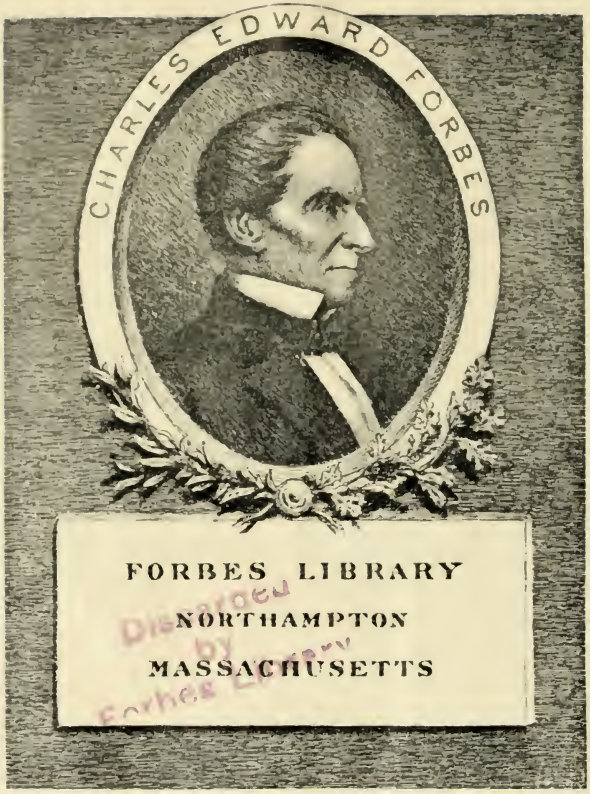

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AMHERST COLLEGE BULLETIN

Catalog Issue
1955-1956

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AMHERST COLLEGE BULLETIN

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College Calendar

1955

Sept. 20	*Tuesday*, 2:00 p.m.	Opening Chapel Service
Sept. 21	*Wednesday*, 8:00 a.m.	Beginning of Classes
Oct. 22	*Saturday* (a holiday)	Wesleyan Football Game
Nov. 12	*Saturday* (a holiday)	Williams Football Game
Nov. 23	*Wednesday*, 12:50 p.m.	Beginning of Thanksgiving Recess
Nov. 28	*Monday*, 8:00 a.m.	End of Thanksgiving Recess
Dec. 17	*Saturday*, 11:50 a.m.	Beginning of Christmas Recess

1956

Jan. 2	*Monday*, 2:00 p.m.	End of Christmas Recess
Jan. 20	*Friday* through	First Semester Examination Period
Jan. 26	*Thursday*	
Jan. 30	*Monday*, 8:00 a.m.	Beginning of Second Semester
Mar. 24	*Saturday*, 11:50 a.m.	End of Classes before Spring Recess
Mar. 25	*Sunday*, 12:00 noon	Beginning of Spring Recess
April 9	*Monday*, 8:00 a.m.	End of Spring Recess
May 12	*Saturday* (a holiday)	Dance Holiday
May 28	*Monday* through	Second Semester Examination Period
June 2	*Saturday*	
June 10	*Sunday*	Commencement
Sept. 19	*Wednesday*, 2:00 p.m.	Opening Chapel Service
Sept. 20	*Thursday*, 8:00 a.m.	Beginning of Classes
Oct. 27	*Saturday* (a holiday)	Wesleyan Football Game
Nov. 17	*Saturday* (a holiday)	Williams Football Game
Nov. 21	*Wednesday*, 12:50 p.m.	Beginning of Thanksgiving Recess
Nov. 26	*Monday*, 8:00 a.m.	End of Thanksgiving Recess
Dec. 19	*Wednesday*, 4:00 p.m.	Beginning of Christmas Recess

1957

Jan. 3	*Thursday*, 8:00 a.m.	End of Christmas Recess
Jan. 18	*Friday* through	First Semester Examination Period
Jan. 24	*Thursday*	
Jan. 28	*Monday*, 8:00 a.m.	Beginning of Second Semester
Mar. 23	*Saturday*, 11:50 a.m.	End of Classes before Spring Recess
Mar. 24	*Sunday*, 12:00 noon	Beginning of Spring Recess
April 8	*Monday*, 8:00 a.m.	End of Spring Recess
May 4	*Saturday* (a holiday)	Dance Holiday
May 27	*Monday* through	Second Semester Examination Period
June 1	*Saturday*	
June 9	*Sunday*	Commencement

The Corporation

ARTHUR FAIRBANKS ELLS, LL.D.	Litchfield, Conn.
Chairman of the Corporation	
CHARLES WOOLSEY COLE, PH.D., SC.D. L.H.D., LITT.D., LL.D.	
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RICHARDSON PRATT, B.A.	New York, N. Y.
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JOHN JAY MCCLOY, LL.B., LL.D.	New York, N. Y.
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* KENDALL BUSH DEBEVOISE, LL.B.	Montclair, N. J.
* LAFAYETTE SUMNER PRUYNE, B.A.	Newton, Mass.
* OLIVER BOUTWELL MERRILL, LL.B.	New York, N. Y.
* PRESTON ROGERS BASSETT, M.A., SC.D.	Great Neck, N. Y.
* PHILIP HALL COOMBS, B.A.	Old Greenwich, Conn.

JAMES ALFRED GUEST, LL.B.	Amherst, Mass.
Secretary of the Corporation	

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ARTHUR LEE KINSOLVING, D.D.	New York, N. Y.
LEWIS WILLIAMS DOUGLAS, LL.D.	Phoenix, Ariz.

* The terms of the Alumni Trustees expire as follows: WILLS TAYLOR ENGLE, 1956; KENDALL BUSH DEBEVOISE, 1957; LAFAYETTE SUMNER PRUYNE, 1958; OLIVER BOUTWELL MERRILL, 1959; PRESTON ROGERS BASSETT, 1960; PHILIP HALL COOMBS, 1961.

† A life trustee who resigns shall be eligible for election by the Board of Trustees as trustee emeritus if in the opinion of the Board of Trustees he shall have rendered outstanding service to the College during his trusteeship. A trustee emeritus shall have all the privileges of a member of the Board except that of voting at the meetings of the Board. The trustees emeriti shall retain the processional order which they held at the time of their retirement. (Adopted by the Board of Trustees of Amherst College, January 17, 1943.)

Committees of the Corporation

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

Executive Committee: Messrs. Bixler, DeBevoise, Ells (Chairman), Kingman, McCloy, Pratt, Rugg, Seligman, Smith.

Finance Committee: Messrs. Kingman (Chairman), Pratt, Pruyne, Rugg, Smith, Weathers.

Budget Committee: Messrs. Kingman, Plimpton, Pratt (Chairman), Pruyne, Smith, Weathers.

Instruction Committee: Messrs. Bassett, Bixler (Chairman), Boyden, Coombs, DeBevoise, Merrill, Plimpton, Seligman, Thorp.

Buildings and Grounds Committee: Messrs. Bassett, Bixler, Boyden, DeBevoise, Kingman, Maynard †, Merrill (Chairman), Pratt, Pruyne, Smith, Weathers.

Honorary Degrees Committee: Messrs. Bixler, Boyden, Coombs, Kinsolving †, McCloy, Merrill, Plimpton, Pruyne, Rugg (Chairman), Weathers.

Folger Shakespeare Library Committee: Messrs. Bixler, Engle, Kinsolving †, McCloy, Plimpton, Seligman (Chairman), Weathers.

Joseph B. Eastman Foundation Committee: Messrs. DeBevoise, Engle, Kingman, Rugg (Chairman), Seligman.

Committee on Fraternities: Messrs. Bassett, DeBevoise (Chairman), Engle, Merrill, Pruyne, Rugg.

Merrill Center for Economics Committee: Messrs. Coombs, Douglas †, Engle, Plimpton, Pratt, Seligman, Smith (Chairman), Weathers.

† *Trustee Emeritus.*

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CHARLES SCOTT PORTER, M.A. — *Dean*
EUGENE SMITH WILSON, B.A. — *Dean of Freshmen and Director of Admission*
THEODORE SPAULDING BACON, JR., B.A. — *Associate Dean*
JOHN CUSHING ESTY, JR., M.A. — *Assistant Dean and Assistant Director of Admission*
GLADYS ALICE KIMBALL, B.S. — *Recorder*

PAUL DYESS WEATHERS, M.B.A. — *Treasurer*
MINOT GROSE, B.A. — *Assistant to the Treasurer*
HERBERT GALE JOHNSON, B.A. — *Comptroller*
GEORGE BURNHAM MAY, B.A. — *Assistant to the Comptroller*
ROBERT HERMAN HEIDRICH, A.E.E., P.E. — *Superintendent of Buildings and Grounds*
GORDON BENJAMIN BRIDGES, M.A. — *Director of Dining Halls and Director of Personnel*

THAYER AINSWORTH GREENE, B.D. — *Chaplain*

ALLISON WILSON MARSH, M.ED. — *Chairman of the Department of Physical Education and Intercollegiate Athletics*
ELLSWORTH ELLIOTT RICHARDSON, M.A — *Director of Freshman Physical Education and Athletics*

STEPHEN BROWN, M.D. — *College Physician*
OSCAR DONALD CHRISMAN, M.D. — *Associate College Physician*
GORDON DAVIES ARNOLD, M.D. — *Assistant College Physician*
MARY MARGARET BARKOWSKI, R.N. — *Supervisor of Student Health Office*
HASKELL ROBERT COPLIN, PH.D. — *Student Counselor*

JAMES ALFRED GUEST, LL.B. — *Secretary of the Alumni Council*
JOHN CUSHING ESTY, B.A. — *Assistant to the Secretary of the Alumni Council*
ARTHUR DAVENPORT, B.A. — *Fraternity Business Manager and Business Advisor to Student Activities*
HORACE WILSON HEWLETT, M.A. — *Director of Public Relations*
PETER SCHRAG, B.A. — *Assistant to the Director of Public Relations*
JOHN CLEMENT SCHULER, MUS.D. — *Director of the Band*

Faculty

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.
President of the College

CHARLES SCOTT PORTER, M.A. *Dean of the College*

EUGENE SMITH WILSON, B.A. *Dean of Freshmen and Director of Admission*

THEODORE SPAULDING BACON, JR., B.A. *Associate Dean*

JOHN CUSHING ESTY, JR., M.A. *Assistant Dean and Assistant Director of Admission*

The Faculty Is Arranged Alphabetically in Rank

ARTHUR HENRY BAXTER, PH.D. *Professor of Romance Languages, Emeritus*

GEORGE ROY ELLIOTT, PH.D., LITT.D.
Professor of English on the Henry C. Folger Foundation, Emeritus

THOMAS CUSHING ESTY, LL.D. *Walker Professor of Mathematics, Emeritus*

FRANCIS HOWARD FOBES, PH.D., LL.D. *Class of 1880 Professor of Greek, Emeritus*

MICHAEL JOSEPH KENNEDY *Associate Professor of Physical Education, Emeritus*

OTTO MANTHEY-ZORN, PH.D.
Professor of German on the Emily C. Jordan Folger Foundation, Emeritus

WILLIAM JESSE NEWLIN, M.A. *Professor of Philosophy and Mathematics, Emeritus*

WILLIAM TINGLE ROWLAND, PH.D. *Professor of Latin, Emeritus*

CHARLES HANSEN TOLL, PH.D. *Professor of Philosophy and Psychology, Emeritus*

RALPH COPLESTONE WILLIAMS, PH.D. *Professor of French, Emeritus*

ROBERT FROST, L.H.D., LITT.D. *Simpson Lecturer in Literature*

ARNOLD BORIS ARONS, PH.D. *Professor of Physics*

GEOFFROY ATKINSON, PH.D.
Professor of Romance Languages on the Eliza J. Clark Folger Foundation

GEORGE WILLIAM BAIN, PH.D.
Samuel A. Hitchcock Professor of Mineralogy and Geology

‡ THEODORE BAIRD, PH.D. *Samuel Williston Professor of English*

RALPH ALONZO BEEBE, PH.D. *Massachusetts Professor of Chemistry*

ROBERT HERMANN BREUSCH, PH.D. *Professor of Mathematics*

† BAILEY LEFEVRE BROWN, M.A. *Professor of Mathematics*

STEPHEN BROWN, M.D.
College Physician and Parmly Billings Professor of Hygiene

GEORGE ARMOUR CRAIG, PH.D. *Professor of English*

PAUL WITHERSPOON ECKLEY, M.A. *Professor of Physical Education*

REGINALD FOSTER FRENCH, PH.D. *Professor of Romance Languages*

GEORGE BANKS FUNNELL, M.A. *Professor of French*

STEWART LEE GARRISON, M.A. *Professor of English and Public Speaking*

DAVID CALDWELL GRAHAME, PH.D. *Professor of Chemistry*

† *Absent on leave for the first semester.*
‡ *Absent on leave for the second semester.*

WARREN KIMBALL GREEN, PH.D. *Professor of Astronomy, Director of the Observatory on the Sidney Dillon Foundation, and Faculty Marshal*
ALFRED FREEMAN HAVIGHURST, PH.D. *Professor of History*
MALCOLM MCMILLAN HEBER, B.A. *Professor of Air Science, Lt. Col., USAF*
ROGER WELLINGTON HOLMES, PH.D. *Visiting Professor of Cryptography*
ALFRED KAZIN, M.A. *Professor of American Studies*
GAIL KENNEDY, PH.D. *Professor of Philosophy on the Henry C. Folger Foundation*
GEORGE WALLACE KIDDER, PH.D., SC.D. *Stone Professor of Biology*
THEODORE KOESTER, PH.D. *Professor of Psychology*
STERLING POWER LAMPRECHT, PH.D. *Professor of Philosophy on the Emily C. J. Folger Foundation*
EARL LATHAM, PH.D. *Joseph B. Eastman Professor of Political Science*
KARL LOEWENSTEIN, D.C.L. *William Nelson Cromwell Professor of Jurisprudence and Political Science*
ALBERT ERNEST LUMLEY, M.A. *Professor of Physical Education*
ALLISON WILSON MARSH, M.ED. *Professor of Hygiene and Physical Education and Director of the Gymnasium*
JAMES ALFRED MARTIN, JR., PH.D. *Marquand and Stone Professor of Religion*
DONALD COPE MCKAY *Visiting Professor of History*
NEWTON FELCH MCKEON, JR., B.A. *Professor of English and Director of the Converse Memorial Library*
HENRY GEORGE MISHKIN, PH.D. *Professor of Music*
CHARLES HILL MORGAN, PH.D. *Professor of Fine Arts on the William R. Mead Foundation*
VINCENT MORGAN, MUS.M. *Professor of Music*
JAMES RODNEY NELSON, PH.D. *Charles E. Merrill Professor of Economics*
HAROLD HENRY PLOUGH, PH.D. *Edward S. Harkness Professor of Biology*
ELLSWORTH ELLIOTT RICHARDSON, M.A. *Professor of Physical Education and Director of Freshman Physical Education and Athletics*
STANLEY CURTIS ROSS, B.A., LL.D. *Visiting Professor of Economics*
EDWIN CHARLES ROZWENC, PH.D. *Dwight Morrow Professor of History*
EDWARD DWIGHT SALMON, PH.D. *Winkley Professor of History*
ANTHONY SCENNA, PH.D. *Professor of German*
‡ OSCAR EMILE SCHOTTÉ, SC.D. *Rufus Tyler Lincoln Professor of Biology*
CLARENCE SHUTE, PH.D. *Visiting Professor of Philosophy*
THEODORE SOLLER, PH.D. *Professor of Physics*
ATHERTON HALL SPRAGUE, PH.D. *Professor of Mathematics*
* GEORGE ROGERS TAYLOR, PH.D. *George D. Olds Professor of Economics*
† WILLARD LONG THORP, PH.D., LL.D. *Professor of Economics and Director of the Merrill Center for Economics*
‡ FREDERICK KING TURGEON, PH.D. *Professor of French*

† *Absent on leave for the first semester.*
‡ *Absent on leave for the second semester.*
* *Absent on leave for the first and second semesters.*

COLSTON ESTEY WARNE, PH.D. *Professor of Economics*
ROBERT BYRON WHITNEY, PH.D. *George H. Corey Professor of Chemistry*
ALBERT ELMER WOOD, PH.D. *Professor of Biology*
BENJAMIN MUNN ZIEGLER, LL.B., PH.D.
Bertram Snell Professor of Political Science
CESAR LOMBARDI BARBER, B.A. *Associate Professor of English*
BRUCE BUZZELL BENSON, PH.D. *Associate Professor of Physics*
O. DONALD CHRISMAN, M.D. *Associate College Physician*
WENDELL VERNON CLAUSEN, PH.D. *Associate Professor of Classics*
HASKELL ROBERT COPLIN, PH.D.
Associate Professor of Psychology and Student Counselor
* WILLIAM WALKER GIBSON, JR., PH.D. *Associate Professor of English*
ERNEST ALFRED JOHNSON, PH.D. *Associate Professor of Romance Languages*
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ALBERT PAUL LINNELL, PH.D. *Associate Professor of Astronomy*
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JOHN JACKSON MCLAUGHRY, B.A. *Associate Professor of Physical Education*
*JOHN ANDREW MOORE, M.A. *John C. Newton Associate Professor of Classics*
MURRAY BISBEE PEPPARD, PH.D. *Associate Professor of German*
EDWIN BURR PETTET, PH.D. *Stanley King Associate Professor of Dramatic Arts and Kirby Memorial Theater Director*
* CHARLES ENSIGN ROGERS, M.A.
Associate Professor of Fine Arts and Dramatic Arts
STEVEN MARTIN ROSTAS, M.ED. *Associate Professor of Physical Education*
RICHARD EUGENE WILSON, M.ED. *Associate Professor of Physical Education*
* OTIS CARY, M.A. *Assistant Professor*
BENJAMIN HAILE DEMOTT, PH.D. *Assistant Professor of English*
RICHARD MATEER DOUGLAS, M.A. *Assistant Professor of History*
HENRY FREDERICK DUNBAR, JR., PH.D.
Assistant Professor of Physical Education
JOSEPH EPSTEIN, PH.D. *Assistant Professor of Philosophy*
RICHARD MERRILL GOWEN, B.A. *Assistant Professor of Physical Education*
THEODORE PHINNEY GREENE, M.A. *Assistant Professor of History*
ROBERT FREEMAN GROSE, PH.D. *Assistant Professor of Psychology*
JOHN BURT HALSTED, M.A. *Assistant Professor of History*
ROBERT WATSON HARMAN, B.S. *Assistant Professor of Air Science, Capt. USAF*
WILLIAM ALLAN JOYCE, B.S. *Assistant Professor of Air Science, Capt., USAF*
JAMES INGRAM MERRILL, B.A. *Assistant Professor of English*
JAMES NICOL, PH.D. *Assistant Professor of Physics*
BURTON THOMAS POOLE *Assistant Professor of Air Science, Major, USAF*
GRANT EDWIN RICKARD, M.A. *Assistant Professor of Air Science, Major, USAF*

* *Absent on leave for the first and second semesters.*

Michael Mullin Robison, ph.d.	*Assistant Professor of Chemistry*
Paul Samuel Sanders, th.d.	*Assistant Professor of Religion*
Earle Stanley Scott, ph.d.	*Assistant Professor of Chemistry*
* Wallace Pancoast Scott, m.a.	*Assistant Professor of History*
Dudley Herbert Towne, ph.d.	*Assistant Professor of Physics*
Henry Thomas Yost, Jr., ph.d.	*Assistant Professor of Biology*
Maxwell Robert Banks, b.sc.	*Visiting Lecturer in Geology*
Rufus Tappen Bellamy, m.a.	*Instructor in English*
Robert Charles Birney, ph.d.	*Instructor in Psychology*
Jonathan Peale Bishop, ph.d.	*Instructor in English*
Thomas Myron Brennan, m.a.	*Instructor in Dramatic Arts*
Gerald Patrick Brophy, ph.d.	*Instructor in Geology*
Roy Howard Brown, m.a.	*Visiting Instructor in Fine Arts*
John Francis Butler, m.a.	*Instructor in English*
Harry Ketchum Campney, m.a.	*Instructor in Physical Education*
Arnold Peter Collery, b.a.	*Instructor in Economics*
William Humiston Darr, b.a.	*Instructor in Fine Arts*
John Francis Ellis, ph.d.	*Instructor in Biology*
John C. Esty, Jr., m.a.	*Instructor in Mathematics*
Richard Francis Fenno, Jr., m.a.	*Instructor in Political Science*
Norton Garfinkle, b.a.	*Instructor in American Studies*
Elmo Giordanetti, m.a.	*Instructor in Romance Languages*
Thomas Fauss Gould, ph.d.	*Instructor in Classics*
Thayer Ainsworth Greene, b.d.	*Chaplain*
Douglas Weir Hall, m.a.	*Instructor in Mathematics*
William Michael Hexter, ph.d.	*Instructor in Biology*
Robert Maynard Jordan, ph.d.	*Instructor in English*
Francis Thomas Juster, b.s.	*Instructor in Economics*
David Shepherd King, b.a.	*Assistant Chaplain*
David Irwin Kulstein, ph.d.	*Instructor in History*
Charles William Ludington, m.f.a.	*Instructor in Music*
Richard Alfred Mazzara, m.a.	*Instructor in Spanish*
William Blackall Miller, m.a.	*Instructor in Fine Arts*
Sidney Monas, ph.d.	*Instructor in History*
Thomas Russell Moro, b.a.	*Instructor in English*
Phillip Jacob Nelson, m.a.	*Instructor in Economics and American Studies*
Richard William Richardson, b.a.	*Instructor in Economics and American Studies*
Thomas Gregory Robischon, b.a.	*Instructor in Philosophy*
Robert Horton Romer, m.a.	*Instructor in Physics*
Robert Myron Rosenzweig, m.a.	*Instructor in Political Science*
Richard Henderson Russell, m.a.	*Instructor in History*

* *Absent on leave for the first and second semesters.*

Rudolph Alfred Saenger, m.s.	*Instructor in Physics*
Walter Alfred Sedelow, Jr., m.a.	*Instructor in History*
Charles Perry Swiggart, ph.d.	*Instructor in English*
Henry Lee Tapp, ph.d.	*Instructor in German*
Richard G. Van Petersilge	*Assistant to the Chairman of the Department of Physical Education and Intercollegiate Athletics*
Alfred Burton Willcox, ph.d.	*Instructor in Mathematics*
Philip Tyler Zabriskie, b.d.	*Assistant Chaplain*

Associate

Philip Truman Ives, ph.d.	*Research Associate in Biology*

Assistants

Craig Black	*Biology*
Kate D. Breusch	*German*
Richard Casey	*Biology*
Athanasius J. Chones	*Physics*
Richard A. Doherty	*Biology*
Alain M. Fourniols	*Romance Languages*
Walter Grueninger	*Biology*
Alvaro M. Hernandez	*Romance Languages*
Edith Kulstein	*Romance Languages*
Charles Moleins	*Romance Languages*
Cesar A. Quintana	*Romance Languages*
Heinrich R. Reichel	*German*
Bernard E. J. Robart	*Romance Languages*
Minna Rotheim	*Biology*
Daniel Roos	*Romance Languages*
Peter P. Waller	*German*
Ronald Whyte	*Biology*

Faculty Committees

Committee of Six: President Cole (Chairman, *ex officio*), Dean Porter (Secretary, *ex officio*), Professors Beebe, Craig, Funnell, Kennedy, Lamprecht, Scenna.

Committee on Educational Policy: Professors Arons (Chairman), Breusch, Martin, Mishkin (Secretary), Salmon.

Fellowship Committee: President Cole (Chairman), Dean Porter (Secretary), Professors Craig, Latham, Nelson and Whitney.

Committee on Admission and Scholarships: President Cole (Chairman), Dean Wilson (Secretary), Dean Bacon, Dean Esty, Dean Porter, and Professor Kidder.

Committee on Intercollegiate Athletics: President Cole (Chairman), Dean

PORTER (Secretary), Professors ECKLEY, LUMLEY, MCLAUGHRY, MARSH, RICHARDSON, WILSON, ZIEGLER, Doctor BROWN, and WILLIAM SALOT, Pres. of the Student Council.

Lecture Committee: Professors BENSON (Chairman), GRAHAME, MARTIN, and NELSON.

Library Committee: Professors MCKEON (Chairman), BENSON, CLAUSEN, FUNNELL, HAVIGHURST, LATHAM, and WOOD.

Fellows

THOMAS H. ALDEN, '55 — Mass. Institute of Technology
George A. Plimpton Fellow in Industrial Relations

ADDISON AULT, '55 — Harvard University
Forris Jewett Moore Fellow in Chemistry

RICHARD DEWEESE BAUGHMAN, '55 — Harvard Medical School
John Woodruff Simpson Fellow in Medicine

GEORGE V. BOBRINSKOY, JR., '55 — Columbia University
Henry P. Field Fellow in History

THOMAS E. CANAVAN, '47 — UCLA
Amherst Memorial Fellow in History

ROBERT Y. FOX, '55 — Harvard University
John Woodruff Simpson Fellow in Law

SETH E. FRANK, '55 — Yale University
John Woodruff Simpson Fellow in Law

STANLEY A. GINSBERG, '55 — College of Physicians and Surgeons, Columbia
George A. Plimpton Fellow in Medicine

ROBERT ERNEST GRANT, '55 — Yale Divinity School
Amherst Memorial Fellow in Theology

MARK RICHARD HANSCHKA, '55 — Harvard University
George A. Plimpton Fellow in Law

PAUL CHRISTIAN HELMREICH, '55 — Harvard University
Forris Jewett Moore Fellow in History

ROBERT LEONARD JEDREY, '55 — Rochester Medical School
John Woodruff Simpson Fellow in Medicine

ROBERT JOHN KISIEL, JR., '55 — Tufts Medical School
John Woodruff Simpson Fellow in Medicine

JOSEPH ALAN MCLEAN, '55 — Yale Divinity School
Amherst Memorial Fellow in Theology

THOMAS RICHARD METCALF, '55 — Cambridge University, England
Amherst Memorial Fellow in History
Roswell Dwight Hitchcock Memorial Fellow in History

ABE JOSEPH MOSES, '55 — Johns Hopkins
Amherst Memorial Fellow in The Near and Middle East

Hugh Geoffrey Moulton, '55 Yale University
John Woodruff Simpson Fellow in Law
Donald Seymour Parsons, '55 Harvard Graduate School of Education
Edward Poole Lay Fellow in Secondary School Education
Andre Jules Marie Pierre, '55
l'Institute d'Etudes Politiques, graduate school of the Sorbonne
Amherst Memorial Fellow in International Relations and Political Science
Gerald Rodman Plotkin, '55 Johns Hopkins
John Woodruff Simpson Fellow in Medicine
William Harrison Pritchard, '53 Harvard University
Henry P. Field Fellow in English
Ivan James Radin, '55 Yale University
John Woodruff Simpson Fellow in Law
William Wendell Rees, '55 Massachusetts Institute of Technology
Forris Jewett Moore Fellow in Chemistry
Michael Daniel Robbins, Jr., '55 Harvard University
George A. Plimpton Fellow in Clinical Psychology
Arthur H. Rosenberg, '55 Columbia University
John Woodruff Simpson Fellow in Medicine
Michael Donald Sahl, '55 Princeton
Edward Poole Lay Fellow in Music Composition
Edward Washburn Spofford, '54 Cornell
James Ingram Merrill Fellow in English
Bruce William Steinhauer, '55 Harvard Medical School
John Woodruff Simpson Fellow in Medicine
Robert Byron Whitney, Jr., '55 Yale
John Woodruff Simpson Fellow in Medicine
Ronald Eric Wyn, '55 Columbia
Forris Jewett Moore Fellow in Philosophy
Stephen Robbins Yarnall, '55 University of Rochester
John Woodruff Simpson Fellow in Medicine

Amherst College Library

Newton Felch McKeon, Jr., b.a. *Director*

Katherine Conover Cowles, b.a. *Chief Cataloguer*
Ebenezer Porter Dickinson *Reference Librarian*
Ruth Marie Erit, b.a. *Order Librarian*
Mrs. Merrill Jasper Mack, b.a., b.l.s. *Head of Circulation*
Edward Forney Blount, m.a., m.s. *Assistant Cataloguer*

The Pratt Museum of Geology

George William Bain, ph.d.	*Curator*
Albert Elmer Wood, ph.d.	*Associate Curator*
Maxwell Banks, b.sc.	*Associate Curator*
Gerald Patrick Brophy, ph.d.	*Associate Curator*
Raymond Emil Schortmann	*Associate Curator*

Snell Museum of Physics

Theodore Soller, ph.d.	*Director*

Edward Hitchcock Memorial Room

Rena Mary Durkan	*Curator*

Amherst College Wildlife Sanctuary

Walter Charles Markert, b.s.	*Director*

Mead Art Building

Charles Hill Morgan, ph.d.	*Director*
* Charles Ensign Rogers, m.a.	*Assistant Director*
Margaret Cecilia Toole, b.a.	*Assistant Curator of Painting*

ADVISORY COMMITTEE ON ACQUISITIONS

Louisa Dresser, b.a. — Worcester, Mass.
Curator, Worcester Art Museum

Charles Hill Morgan, ph.d. — Amherst, Mass.
Professor of Fine Arts on the William R. Mead Foundation

Charles Henry Sawyer, l.h.d. — New Haven, Conn.
Dean of the School of Fine Arts, Yale University

James Kellum Smith, l.h.d. — New York, N. Y.
President of the American Academy in Rome

Francis Henry Taylor, l.h.d. — New York, N. Y.
Director of the Worcester Art Museum

Charles Woolsey Cole, ph.d., l.h.d., sc.d., litt.d., ll.d. — Amherst, Mass.
President of the College, ex officio

* *Absent on leave 1955-1956.*

Kirby Memorial Theater

Edwin Burr Pettet, ph.d.	*Director*
* Charles Ensign Rogers, m.a.	*Designer*
Ralph Cleland McGoun, Jr., m.a.	*Technical Director*
Thomas Myron Brennan, m.a.	*Designer*

Advisor on Charitable Fund Awards

Frank Learoyd Boyden, Sc.d., Pd.d., Litt.d., l.h.d., ll.d.
Deerfield, Mass.

* *Absent on leave 1955-1956.*

Amherst College

Amherst College is located in the center of Amherst, Massachusetts — a rural community of some 8,500 residents situated in the lovely and fertile Connecticut River Valley of Western Massachusetts. The countryside is given over largely to dairying and farming in which tobacco, potatoes, and onions dominate the economy. It is also a cultural area for at the northern end of the town is the University of Massachusetts and within a few miles are Smith College, at Northampton, and Mount Holyoke College, at South Hadley.

The town is an offshoot of Hadley which it adjoins to the west and which, in turn, was a subdivision of Northampton, settled in 1654 by pioneers pushing north along the Connecticut River from Windsor and Springfield. Though Hadley was established by 1659, there is no evidence of permanent settlement in its "Third Precinct" — later to be named Amherst — until 1731; in that year eighteen families are known to have built their homes along this then remote frontier.

Settlement in those early days was indeed hazardous, for in the late seventeenth century came the most harrowing Indian conflicts in New England's history known as King Philip's War. Colonies fell back on one another as outpost after outpost was obliterated — including the well known massacres in 1675 at Deerfield and Bloody Brook a few miles to the north. Hadley itself was beset the following spring.

Upon King Philip's assassination in 1676 peace returned — but not for long. In 1688, in alliance with and goaded by the French, Indians again fell upon isolated communities of the valley and continued their bloody forays for many years.

Settlement of the Third Precinct was sufficient by 1759, however, for the Massachusetts General Court to grant the community's petition that it become "a separate and distinct district" named for Sir Jeffery Amherst "in token of our regard for the worthy knight and of our own admirable friendship for same."

A year after the town's founding General Amherst achieved his greatest triumph when, in concert with Wolfe's recovery of Quebec, he captured the series of frontier posts at Ticonderoga, Crown Point, Oswego, and Fort Niagara, and then effected the surrender of Montreal. Capitulation of these two centers brought an end to French activity in America and hastened an end to the French and Indian War.

Amherst College was founded in 1821 by residents of the town of Amherst and of the embracing valley "for the Classical Education of indigent young men of piety and talents for the Christian ministry." No single man was responsible for its birth, for it sprang from community interest and enterprise. A handful of devoted men, to be sure, inspired

and led the movement to establish a "Collegiate Institution at Amherst," best known of whom was Noah Webster, the lexicographer; but the College is named for the town that made it possible, rather than for Lord Jeffery Amherst from whom the town took its name.

Actually, the founders of the College established a dual organization which continued for over a hundred years: Amherst College, administered by a Board of Trustees, and the Charity Fund, under a Board of Overseers. The latter, formed in 1818 (thus antedating the College by three years), had assets of $50,000 in promissory notes from two hundred and seventy-five subscribers when South College, the campus' first building, was completed in 1821. This then represented the College's only endowment and so continued for many years. In its charter was the provision that of its income five-sixths should be used as scholarship aid for students preparing for the ministry, and one-sixth should be added each year to the principal.

Similarly, South College arose on donated land and was built largely by labor, materials, and provisions contributed by friends in the town and countryside. When constructed, its bills unpaid and unprovided for totaled less than $1,300.

Zephaniah Swift Moore, then president of Williams College, answered the Trustees' call to become Amherst's first president, and over the Berkshires with him came several members of his faculty and student body. The first class was composed of forty-seven students, for the most part from New England. Two years later North College was completed, and in 1827, between these first two buildings, Johnson Chapel, thus forming College Row.

Since 1821 Amherst has grown considerably but remains an independent, gift-supported college. Approximately 1050 students are now enrolled; the faculty has nearly one hundred and twenty members; college property consists of four hundred and five acres; buildings — exclusive of college-owned faculty residences and independently owned fraternities—number forty-one; endowment exceeds $20,000,000; there are over 9,000 living alumni and non-graduates.

College buildings now include the chapel, auditorium, library, dormitories, classrooms, laboratories (in biology, chemistry, geology, and physics), natural history museum, art center, observatory, central dining hall, physical education units, theater, infirmary, music building, and maintenance group.

The Folger Shakespeare Memorial Library in Washington, D. C., and the Merrill Center for Economics at Southampton, Long Island, N. Y., are also administered by the College's Board of Trustees.

Today's students come from most of the United States: about half reside in the Middle Atlantic area, a quarter in New England, a fifth in

the Middle West, and the remainder in the rest of the country and abroad. The proportion of those who prepared for college in public and private schools is about equal. Nearly a quarter of the undergraduates receive scholarship aid from the income of funds amounting to over $1,700,000. Unlike the College's early days when most of its students prepared for the Christian ministry, about half its recent graduates have continued their studies in graduate or professional schools and half have entered business.

Amherst's courses are confined to the liberal arts and sciences and lead only to the bachelor of arts degree; no vocational or specialized studies are offered. In 1947 a general curriculum was adopted (outlined on pages 37–40) under which all students follow a prescribed program of studies during the first two years, and "major" or take "honors" work during the last two years in "area" or departmental studies.

The College's corporate name is "The Trustees of Amherst College." Its general government is vested in this Board, eighteen in number, of whom the President and the Treasurer of the College are members *ex officiis*, ten are elected by Trustee vote without limit of term, and six are elected by graduates of the College for terms of six years each. The President is charged with the general administration of the College. Subject to the Trustees' reserved authority, educational policy and rules of conduct are determined by the Faculty.

A list of the Presidents of the College, with their terms of service, follows:

Rev. Zephaniah Swift Moore, d.d.	1821–1823
Rev. Herman Humphrey, d.d.	1823–1845
Rev. Edward Hitchcock, d.d., ll.d.	1845–1854
Rev. William Augustus Stearns, d.d., ll.d.	1854–1876
Rev. Julius Hawley Seelye, d.d., ll.d.	1876–1890
Merrill Edwards Gates, ph.d., ll.d., l.h.d.	1890–1899
Rev. George Harris, d.d., ll.d.	1899–1912
Alexander Meiklejohn, ph.d., ll.d.	1912–1924
George Daniel Olds, ll.d.	1924–1927
Arthur Stanley Pease, ph.d., ll.d.	1927–1932
Stanley King, ll.d.	1932–1946
Charles Wooley Cole, ph.d., l.h.d., sc.d., litt.d., ll.d.	1946–

The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Memorial Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than $2,000,000. Its endowment now stands at about $9,500,000, and its collections are valued at over $2,740,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Equipment for the use of microfilm is found in the stacks.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of English history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library will exploit other fields as well. Efforts will be made to expand it as an efficient laboratory of research and investigation. Aid and encouragement will be given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. It is further intended that the Library will develop the reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the FOLGER's public rooms.

FOLGER LIBRARY OFFICERS

Louis Booker Wright, ph.d., litt.d., l.h.d., ll.d. — *Director*
James Gilmer McManaway, ph.d. — *Consultant in Literature and Bibliography*
Giles Edwin Dawson, ph.d. — *Curator of Books and Manuscripts*
Paul Shaner Dunkin, b.s.l.s., ph.d. — *Chief Cataloguer and Head of Technical Services*
Edwin Elliott Willoughby ph.d., litt.d. — *Chief Bibliographer*
Eleanor Pitcher — *Assistant to the Director*
Virginia Freund — *Executive Secretary*

TRUSTEE COMMITTEE

Eustace Seligman, ll.b., *Chairman*
Charles Woolsey Cole, ph.d., sc.d., l.h.d., litt.d., ll.d., *ex officio*
Arthur Fairbanks Ells, ll.d., *ex officio*
Julius Seelye Bixler, ph.d., d.d., l.h.d., ll.d., d.c.l.
Wills Taylor Engle
Arthur Lee Kinsolving, d.d.
John Jay McCloy, ll.b., ll.d.
Francis Taylor Pearsons Plimpton, ll.b.
Paul Dyess Weathers, m.b.a.

The Merrill Center for Economics

The Merrill Center for Economics is located at The Orchard, Southampton, New York. The Orchard was presented to Amherst College in 1951 by Charles E. Merrill, an alumnus of the Class of 1908. Each summer, the Center brings together experts in the field of economics to discuss some important economic problem. They live together at The Orchard and meet regularly around a conference table and, in addition, have less formal discussions in smaller groups. Attendance is by invitation only, and the conferees are drawn from education, business, and government, both from this country and abroad. Additional speakers are invited to discuss particular problems with the group.

The Orchard consists of a beautiful, spacious house and several additional buildings on its sixteen acres. The main house is particularly noted for its paneled music-room and main staircase. Together with the Annex, it can comfortably house about thirty persons. The houses are surrounded by extensive lawns and formal gardens. The library contains current economic periodicals and is supplemented each summer as necessary with books from the Amherst College Library.

The Merrill Center is administered by the Trustees of Amherst College and maintained through the continuing generosity of Mr. Merrill. Dr. Willard L. Thorp, an alumnus of Amherst in the Class of 1920 and former Assistant Secretary of State for Economic Affairs, is director of the Center. Dr. Thorp is also Professor of Economics on the Amherst faculty.

TRUSTEE COMMITTEE

Winthrop Hiram Smith, b.a., *Chairman*
Philip Hall Coombs, b.a.
Lewis Williams Douglas, ll.d. *
Wills Taylor Engle
Francis Taylor Pearsons Plimpton, ll.b.
Richardson Pratt, b.a.
Eustace Seligman, ll.b.
Paul Dyess Weathers, m.b.a.

* Trustee Emeritus

I

General Information

Admission

General Statement

Admission to Amherst College is competitive. The College attempts to select for admission those applicants who seem best qualified to benefit from the opportunities offered by an Amherst education. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school, (2) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests, (3) the recommendation of the high school principal or headmaster, (4) evidence of a willingness to work, (5) the character, health, and extra curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

How and When To Apply for Admission

Correspondence regarding admission to the freshman class should be addressed to the Director of Admission, Amherst College, Amherst, Massachusetts. Each applicant for admission to the freshman class must file a formal application with the Director of Admission, preferably before March 1 of the year in which he expects to be admitted. Under certain circumstances, later applications will be considered. The formal application should be accompanied by a check or money order for $5.00 made payable to *The Trustees of Amherst College.* This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

A preliminary application may be filed at any time prior to the applicant's senior year. Once this preliminary application has been filed and acknowledged, the College assumes the responsibility of forwarding all formal application forms at the proper time. No priority is given to early applications.

Entering students are admitted only at the beginning of the regular college year in September.

Interview Hours—Admission Office

The Admission Office is open on weekdays from 8:30 a.m. until 12:30 p.m. and 1:30 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until

12:30 p.m., but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays.

Recommended Preparation

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years or, if possible, 3 years of one
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics, and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Director of Admission.

Students who are planning careers in medicine, engineering or the scientific professions should include in their secondary school programs at least two years of French or German, trigonometry, physics, and chemistry. Students thinking of engineering should also include a course in solid geometry.

Scholastic Aptitude and Achievement Tests

All applicants for admission to the freshman class at Amherst are required to take certain tests given by the College Entrance Examination Board. Information on these tests may be obtained by writing the Amherst Admission Office.

The College Entrance Examination Board Tests are given several times a year. Applicants who are in their final year of preparatory work are expected to take the aptitude tests in January or March and the achievement tests in March. Applications for these examinations must be filed

with the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey, at least a month prior to the date of the examination.

Information about these tests, location of examination centers, fees, etc., may be obtained by writing the College Entrance Examination Board, Box 592, Princeton, New Jersey.

Regents Examinations

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the Scholastic Aptitude and Achievement Tests given by the College Entrance Examination Board.

Admission from Other Colleges or Institutions of Collegiate Rank

Correspondence concerning admission of transfers should be addressed to C. Scott Porter, Dean.

To be eligible for transfer the candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank, and his general average at the institution he is leaving must correspond to or be better than the Amherst diploma average of seventy per cent.
3. He must present a statement of honorable dismissal.

Candidates for admission by transfer are admitted in September only.

Candidates should note that, in general, only students with a "B" average or better will be accepted for admission as transfers, and should further note that not more than ten transfers will be admitted to Amherst in September of 1955.

Special Booklet

A descriptive booklet entitled *This Is Amherst* may be had upon application to the *Director of Admission.*

Cooperative Engineering-Science Program with Massachusetts Institute of Technology

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College has entered into a

cooperative arrangement with the Massachusetts Institute of Technology. Under this arrangement, and by properly planning his studies, a student of high standing may pursue a combined five years' program in which the first three years are spent at Amherst College and the last two at the Institute, leading to the degree of Bachelor of Arts from the College and to that of Bachelor of Science from the Institute upon completion of the combined course.

Administration

Terms and Vacations

The college year 1955–1956 includes two regular semesters of sixteen weeks each. In the fall semester there is a Thanksgiving recess of approximately five days, and a Christmas vacation of two weeks; and in the spring semester, a vacation of two weeks.

Attendance at College Exercises

The officer in general charge of matters concerning attendance at college exercises is the Associate Dean of the College.

Students are expected to attend classes regularly and promptly. Attendance at all laboratory periods is required. First-term freshmen and students on probation are allowed no unexcused absences from class or laboratory periods. Each student, unless he is on the Dean's List, must attend his last class before and his first class after the Thanksgiving, Christmas and Spring recesses. At the beginning of the semester each instructor will state his policy with regard to absences in his course, and thereafter, he will report to the Dean's Office the name of any student who violates the regulations which the instructor has set up for his own course. In such cases the Dean's Office will take appropriate action which may include a reduction in his credit hours or he may be dropped from the course.

Absences for certain recognized reasons are normally excused. Considerable discretion should be used with regard to unexcused absences, since such absences, even if not excessive, tend to reduce the effectiveness (or value) of the course. The responsibility for any work missed because of an absence rests entirely upon the student.

All official college vacations and holidays are announced on the College Calendar appearing on page 5 of this catalog.

Morning chapel services are conducted Monday, Tuesday, Thursday and Friday mornings. All students are required to attend one-half of the chapel services each week.

Student Discipline

The officer in general charge of student discipline and conduct is the Dean of the College.

Conduct befitting a gentleman is expected at all times of students at Amherst College. It is assumed that undergraduates will understand what constitutes gentlemanly conduct without specific regulations forbidding particular actions.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without as-

signing any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

Records and Reports

The officer in charge of records and reports is the Recorder of the College.

Reports of standing are sent to parents or guardians at the end of each term. Rank in each subject is reported as follows:

A, 90–100%; B, 80–89%; C, 70–79%; D, 60–69%; E, 50–59%; F, below 50%. The passing grade in each individual course is 60%, and an average grade of at least 70% is required for a degree.

Rooms and Board

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals for any reason.

Health and Physical Development

The officer having general supervision of student health and physical development is the College Physician.

The College Physician and his associates hold consulting hours twice daily at the Student Health Office in the Gymnasium. They keep themselves acquainted with the health of the students and provide for their proper treatment if ill. Every student is given a physical examination soon after his arrival and is advised as to his health and physical efficiency. No student will be admitted to Amherst College who has not been successfully vaccinated or who is unwilling to submit to such vaccination by the College Physician within three months after admission.

The College maintains an infirmary under the direction of the College Physician and has a consulting staff comprising surgeons, internists, and various specialists who are called by the College Physician in cases of serious illness.

Dr. O. Donald Chrisman, a fully qualified orthopedic surgeon, has consulting hours twice weekly in the Student Health Office.

The College medical consultants include: Dr. Hugh Tatlock of Northampton and Dr. Lawrence N. Durgin of Northampton for internal medicine; Dr. Edward J. Manwell of Northampton and Dr. David B. Jennison

for surgery; Dr. Russell F. Gervais of Northampton for eye, ear, nose, and throat; Dr. Malcolm W. Bick of Northampton for eye; Dr. Philip C. Viscidi of Northampton for urology; Dr. Leonard Anderson of Springfield for dermatology; Dr. Thomas J. Crowe and Dr. Myer Sharpe of Northampton for radiology; Dr. John L. Rogers of Amherst and Dr. G. Francis Osborn of Northampton for dentistry.

A Health Fee of $20 per semester is charged to all students. This entitles the student to medical and nursing care at the College Infirmary, as well as hospitalization in Northampton or Springfield, and the services of consultants, when recommended by the College Physician, up to a maximum of $500.00 for any one student in a college year. The College limits its responsibility to illnesses occurring while college is in session, including the expenses of medical treatment and hospitalization due to accidents on the athletic field or in connection with the ordinary and general procedures of the College. In the case of injuries from accidents of motor vehicles, trains, or airplanes either in traveling to or from Amherst or while resident in Amherst, the College's responsibility for medical and hospital expenses is limited to the services of the College Physician, the services of the Health Office, and care in the College Infirmary for a period not exceeding ten days. In such cases the College will not accept responsibility for medical or surgical bills of consultants, special nursing, or hospitalization in outside hospitals. The cost of prescription medication, glasses, and routine dentistry is not covered by the Health Fee.

Students or their parents are, of course, free to select consultants, surgeons, or hospitals of their own choice, but in such cases the fees of the physicians, surgeons, nurses, hospitalization, and incidental fees are not paid by the College.

In the cases of students who have served in the armed forces of the United States, the College's responsibility is limited to illnesses and accidents of a nature covered by its responsibilities to its regular civilian students. Expenses for illnesses arising in whole or in part from previous service in the armed forces are not covered. The decisions of the College Physician as to what expenses will be met by the College shall be final.

A student is entitled to no further health service after withdrawal or dismissal from college.

Parents are notified by mail of all infirmary admissions unless the illness is thought of sufficient severity to warrant direct communication by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President will assume responsibility for the authorization of operation.

Students who are unable to attend classes because of illness are required to go to the infirmary unless living with their families in Amherst or vicinity. Sick excuses are given only for such time as is spent either in

the infirmary or, if living with their families, under a physician's care.

The College Infirmary, built in 1938, is located on the campus, is of fireproof construction, and is designed in accordance with the best modern practice. It has a normal capacity of nineteen beds, and an emergency capacity of forty beds. It contains a lounge room with a selected library and two solaria for convalescing students, an operating room for minor surgical cases, a laboratory, and an isolation ward for the treatment of infectious diseases.

Occupational Guidance

In liberal arts colleges such as Amherst, where few studies are of direct occupational significance, it is natural that many undergraduates find their most perplexing problem that of making a proper choice of a life career. To help undergraduates solve this problem, the College offers an occupational guidance program. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job, and (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world.

The undergraduate who participates in this voluntary program will find himself better prepared to make a wise vocational choice and better equipped to face the business world.

Tuition and Fees

The officer having general supervision of the collection of Tuition and Fees is the Comptroller.

A candidate's formal application for admission should be accompanied by a $5.00 application fee in check or money order made payable to The Trustees of Amherst College. Upon notification of admission to the College a candidate is required to return with his acceptance a nonrefundable advance payment of $100 which will be credited in full on the first term bill.

Student accounts are payable at the Office of the Comptroller. Bills will be mailed to students or to their parents approximately two weeks before the due date, the Saturday prior to the opening day of each semester. Freshmen and other new entrants should make payments on or before arrival. Advance payment by mail upon receipt of bill will be a convenience to the student and to the college. Unless such arrangements have been made, payment in full is expected when due.

In hardship cases, special arrangements may be made with the Comptroller *in advance* for extending payments over a short period.

Identification cards must be picked up in person at the Comptroller's Office before course cards may be obtained.

Summary of Charges

	Each Semester	*Total for Year*
Tuition	$350.00*	$ 700.00*
Room	112.50	225.00
Board	200.00	400.00
Health Fee	20.00	40.00
Intercollegiate Athletic Fee	16.00	32.00
Student Activities Fee	14.00	28.00
Total	$712.50*	$1425.00*

* *Note:* Effective September 1956 tuition will be $400 per semester or $800 per year. Total charges per semester will be $762.50 or $1525 per year.

Each student, or former student reentering, is charged a guarantee deposit of $25. After graduation or earlier termination of his course, this deposit is refunded, less any amounts then due on account of lost equipment, library fines, breakage, etc. This does not, however, relieve the student from the responsibility of paying such miscellaneous charges

when incurred. Toward the end of each semester, such items not paid at their source will be referred to the Comptroller for collection, plus a penalty charge.

Each Senior is charged a degree fee of $7 in his final semester.

For extra courses taken to remove delinquencies incurred at Amherst, there will be a charge of $90 per semester for each four-hour course, $67.50 per semester for each three-hour course, $45 per semester for each two-hour course, and $22.50 per semester for required Public Speaking and any other one-hour course. For delinquencies in Physical Education a charge of $22.50 will be levied during each semester following sophomore year until the delinquency is removed.

In the case of any students who have unpaid balances due the College, earnings from any College employment may be applied to reduce their indebtedness.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Advisor of Student Organizations for expenditure under his supervision. For the year 1955–56, the fee has been set at $28.00. For this fee each student receives a copy of the yearbook, the OLIO; a one year's subscription to the student newspaper and magazine. THE AMHERST STUDENT and THE AMHERST LITERARY MAGAZINE; and contributes to the support of the college band, the debate council, the radio station, the crew, and sundry other activities of the student body which fall under Council jurisdiction. To this fee is added $1.50, covering admission to Masquers performances, which are under College rather than Council jurisdiction, and a $5.00 contribution to the skating rink as voted by the Student Council, making a total of $28.00, one half of which, $14.00, will appear on each semester bill.

Summary of Expenses

Beyond the total amount billed by the College will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items, all of which will vary greatly with the individual but will probably range from one to two hundred dollars per semester.

Scholarships and Beneficiary Aid

The officer directly in charge of the administration of scholarships and beneficiary aid is the Associate Dean of the College.

The beneficiary funds of the College aggregate over $1,741,000. The income of these funds is distributed annually among students of high character and superior scholastic ability who can demonstrate financial need.

Scholarships for the Three Upper Classes

Applicants for scholarships, or for renewal of scholarships, from the three upper classes must file at the Associate Dean's office, on or before May 1st, an account of their income and expenditures for the preceding year, and an estimate of their income and expenditures for the following year.

As a minimum scholastic requirement, applicants for scholarships from the three upper classes must pass all of their courses of the preceding year with an average of at least seventy-five per cent. In general, awards are restricted to students who stood in the upper half of their respective classes during the previous college year.

Scholarships for Incoming Students

More than 55 scholarships are awarded annually to applicants for admission to college who are in need of financial aid and who meet in full the entrance requirements. These scholarships range from $200 to $1700 per year. They are awarded for the first term in residence and entitle the recipient to a credit on the first bill for tuition. The continuation of each scholarship for the following term depends upon the student's passing all of his courses in his first term with an average of at least seventy-five per cent, and, when granted, involves a credit on the next term bill. All candidates for these scholarships must be candidates for admission and must take the Scholastic Aptitude Test and Achievement Test, given by the College Entrance Examination Board. Correspondence concerning scholarships should be addressed to the Associate Dean of the College, Amherst College, Amherst, Massachusetts. Each applicant for scholarship aid must file a formal application before February 15. No special examinations are needed other than the College Board tests required for Admission.

Scholarship Funds

Throughout the whole history of the College funds have been given or bequeathed, the incomes of which are to be used for the assistance of worthy and needy students. A few of these funds are restricted to candidates for the ministry and a few of them are restricted by other factors,

such as the geographical location of the home of the applicant. In a few cases it is stipulated that the award from a particular fund shall be made to a particularly designated student. For the most part, however, the income of these funds may be awarded as the College sees fit. Three State Scholarships of full tuition are awarded annually to qualified residents of Massachusetts.

Special Scholarships

Sloan National Scholarships: These special awards were established by the Alfred P. Sloan Foundation and are open to applicants who reside in the continental United States. With one exception, the stipends granted under these scholarships will vary with the financial need of the applicant. Awards will range from a minimum of $200 to a maximum of $2000 and will be renewed each year provided the recipient's performance continues on a high level and his relative financial need does not change. One $200 honorary Sloan Award will be made to an outstanding applicant irrespective of financial need. Sloan awards will be made to men who have outstanding academic records in secondary school, who have demonstrated unusual initiative, and who appear to have the character and personality required for future leadership.

Alumni Fund Scholarships: A limited number of special awards financed from the Amherst Alumni Fund are available for outstanding students depending upon financial need. Stipends range up to $1500 and are renewed annually unless the recipient fails to maintain a high scholastic average or his financial need decreases.

General Motors College Scholarship: The stipend for this award is determined on the basis of demonstrated need up to a maximum of $2,000 per year. The purpose of this award is to provide funds to enable an outstanding student to attend college irrespective of his financial resources. The primary considerations apart from demonstrated need are the worth, talent, and qualifications of the individual applicant. The General Motors award will be renewed for the four undergraduate years provided the student continues to meet the required standards.

Proctor and Gamble Scholarship: This award includes full tuition and an annual allowance for books, fees, and supplies (excepting room and board) for the entire four-year course. This scholarship will go to a student of unusual ability and promise who could not attend college without considerable financial assistance.

Other Special Scholarships: Also available in recent years have been scholarships sponsored by several other foundations, trusts, and corporations. These organizations include: The Westinghouse Corporation; The Edwin Gould Foundation for Children; Merrill Lynch, Pierce, Fenner & Beane; The Agnes M. Lindsay Trust.

Residents of Amherst

Free tuition may be granted at the discretion of The Trustees of Amherst College to applicants for admission who can satisfy in full the entrance requirements for Amherst College, who have been residents of Amherst for three years before the time of admission to college, and whose parents have also been residents of Amherst for three years. The grants of free tuition are continued throughout the college course, provided the students concerned satisfy the scholarship requirements of the College, conform to its regulations, and the parents of the students concerned continue to live in Amherst.

Student Loan Fund

Through the liberality of friends of the College, provision is made for loans of a limited amount to the few students in the later years of the course, at a low rate of interest, upon notes to be paid in subsequent years. In accordance with the conditions imposed by the donors of the Loan Fund, its use is limited to students in good scholastic standing whose habits of expenditure are economical. Application blanks may be obtained at the Associate Dean's office.

Amounts Available for Scholarship Awards 1955-56

Without Special Restrictions	Available
General Consolidated Funds	$ 36,100
Alumni Fund	100,000
Adams Benevolent Fund	120
Crosby Memorial Scholarships ($600 each)	1,200
Class of 1927 Scholarship Fund	562
Class of 1928 Scholarship Fund	687
Class of 1929 Scholarship Fund	560
Class of 1930 Scholarship Fund	845
Class of 1931 Scholarship Fund	185
Class of 1933 Scholarship Fund	3
Lucius R. Eastman Fund	490
John Montgomery Hunter Scholarship Fund	1,200
Harlan F. Stone Memorial Scholarship Fund	980
TOTAL UNRESTRICTED	$142,932
Preferential —	
Anderson Scholarship — Consanguinity with Samuel Augustus Borden or candidates named Anderson	92
Borden Scholarship — Consanguinity with Samuel Augustus Borden or to candidates named Borden	92

Class of 1831 Scholarship Fund — Preference to descendants of members of the class of 1831	62
Class of 1852 Scholarship Fund — Preference to descendants of members of the class of 1852	49
Class of 1856 Scholarship Fund — Preference to descendants of members of the class of 1856	49
Class of 1880 Scholarship Fund — Preference to descendants of members of the class of 1880	149
Class of 1897 Scholarship Fund — Preference to descendants of members of the class of 1897	245
William Lyman Cowles Class of 1878 Scholarship Fund — Preference to descendants of members of the class of 1878	147
William Cutler and Harriette Gilbert Cutler Memorial Scholarship — Preference to residents of Vermont	760
The Dodge Fund — Preference for aid of students preparing for the Christian Ministry	237
Emerson Gaylord Scholarship Fund — Preference to graduates of Chicopee High School	294
Henry Hill Goodell Class of 1862 Scholarship Fund — Preference to descendants of members of the class of 1862	98
The Henry Gridley Scholarship of the Class of 1862 — Preference to descendants of members of the class of 1862	101
Charlotte Procknow McClelland Fund — Preference to members of Phi Gamma Delta Fraternity	24
Ludington Scholarship Fund — Preference to members of the Sigma Chapter of Delta Kappa Epsilon Fraternity	4,900
Ellis R. Smith Scholarship Fund — Preference to students from South Hadley, Mass.	24
Charles J. Staples Memorial — Preference to pre-law students	1,225
Harold Parker Stevens Fund — Preference to members of Beta Theta Pi Fraternity	1,615
Whitcomb Scholarship Fund — Preference to descendants of members of the Class of 1864, or to members of the Trinitarian Church, Templeton, Mass., or to members of the Central Congregational Church, Worcester, Mass., or to children of missionaries and ministers	588
Worcester Scholarship Fund — Preference to students from Worcester, Mass.	245
TOTAL PREFERENTIAL CONSOLIDATED	10,996
Frank L. Babbott Scholarship — Preference to students from Oneida County, N. Y.	490

Miner D. Crary Scholarship — Preference to graduates of Deerfield Academy	594
Charles R. Drew Memorial Scholarship — Preference to a pre-medical student	495
Sylvester Scholarship — Preference to residents of Norwell, Cohasset or Hanover, Mass.	750
TOTAL PREFERENTIAL	13,325
With Special Restrictions	
Ministerial Consolidated Scholarships — To be awarded only to candidates for the ministry	1,270
Henry Francis Barrows Memorial Scholarship	1,225
Stephen Mirick Butts Scholarship Fund — To a student with a background similar to that of Stephen Mirick Butts, Class of 1945	392
John A. Callahan Scholarship Fund — For graduates of Highland Grammar School and Holyoke High School	431
The Charitable Fund — Students of high moral character, preferably candidates for the ministry	5,742
Chi Psi Educational Trust — Members of Chi Psi Fraternity during certain years	200
Edwin Clapp Scholarship — For students named Clapp or Rowland only	2,448
W. F. Draper Scholarship Fund — For ministerial candidates, especially Congregational	126
Foreign Student Scholarship — Amherst College Chest Drive; foreign students only	750
Greene Scholarship — Graduates of High or Punchard School in Andover, Mass., with preference to residents of Ballard Vale or Scotland district	111
Hitchcock Scholarship Endowment — Income to be distributed in annual awards of $100 each, divided as nearly equally as possible between the four classes	629
Infirmary Aid Fund — Income to be used for medical expense of needy students	124
John C. Kimball Scholarship — To any worthy student who fails to get a prize or receive aid from any other source	119
Andrew D. Lawrie Scholarship Fund — Repayments to be added to principal of fund; students asked to repay awards	5,586
Charles Merriam Scholarship — Restricted to children of foreign missionaries, preferably of the American Board; Prudential Committee of the American Board may nominate beneficiary	390

Charles E. Merrill Scholarship Fund — To the son of a member of the Merrill Lynch, Pierce, Fenner & Beane organization	1,309
Charles Morton Merrill Fund — Income to be used for deserving students, all awards to be approved by the donor	5,549
Moore Beneficiary Fund — Restricted to students preparing for the ministry	9,018
La Verne Noyes Foundation — Income for descendants of veterans of the World War with certain other restrictions	2,683
President's Loan Fund — Income to be used as loans or in payment for services or in other ways at the President's discretion, preference to be given those not studying for the ministry	735
Reed Scholarships — To students entering the Evangelical Congregational Ministry	304
Harry deForest Smith Scholarship Fund — To provide scholarship aid to students of Greek	600
Isaac F. Smith Student Loan Fund — Income to be loaned to students under certain conditions	
Luther Ely Smith Scholarship Fund — Candidates recommended by St. Louis Alumni Association	2,083
Herbert Otis White Scholarship Funds — To be awarded in three equal scholarships to students of high character, with preference to those combining athletic ability with good scholarship and ideals	886
Elmer W. Wiggins Fund — Preference to students from rural districts	3,475
TOTAL RESTRICTED	$ 46,185
Total Restricted, Preferential and Unrestricted	$202,442

Degrees

MASTER OF ARTS

The Master of Arts degree is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean.

Requirements for Master of Arts Degree

To become a candidate for the Master of Arts degree, students are expected to have at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence in Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

BACHELOR OF ARTS

The degree Bachelor of Arts is conferred upon students of Amherst College who have satisfactorily met the requirements prescribed for that degree. The plan of studies leading to the degree Bachelor of Arts is arranged on a basis of the equivalent of an eight-semester course to be pursued by students in residence at the College.

The Bachelor of Arts degree *cum laude*, *magna cum laude* or *summa cum laude* (Degree with Honors), is awarded to students who have successfully completed an approved program of honors work with a department or group.

To other students who have satisfactorily met the requirements the degree Bachelor of Arts *rite* is awarded.

Requirements for Bachelor of Arts Degree

The degree of Bachelor of Arts is awarded to students who complete a minimum of one hundred and twenty-eight credit hours, of which at least sixty-four must be completed in the freshman and sophomore years, and at least sixty-four in the junior and senior years; who in freshman and

sophomore years complete three two-year sequence courses in natural science, social science, and English-Humanities; who in junior and senior years take at least fifteen credit hours outside the division in which they are majoring; and who complete certain prescribed work in public speaking and physical education.

Note A: A Sophomore who finds it necessary to exceed the sixty-four credit-hour minimum of the first two years in order to take an introductory course in a department in which he plans to major may, with the Dean's permission, postpone a required sophomore course to the junior year.

Note B: A portion of the fifteen credit-hour extra-divisional requirement may be waived by departmental representatives whenever they consider it justified. In such cases, students, both *rite* and honors, must submit a written statement to the representatives of the departments in which they are majoring giving the reasons why the requirement should be waived.

Note C: In order to satisfy the Humanities requirement, students in the class of 1958 and subsequent classes must elect, in addition to the prescribed freshman humanities course, three further semester courses, for a total of at least nine credit hours, from the following three groups:

(a) Philosophy, Religion, Classical Civilization
(b) Music, Fine Arts, Dramatic Arts
(c) English or foreign literature.

The requirement may be met *either* by electing one semester course from each of the three groups *or* by electing two semester courses from one group and an additional semester course from either of the other two groups. Two of these courses must be completed by the end of the sophomore year. The particular courses which may be offered in satisfaction of this requirement are those designated by the departments concerned in their announcements of course offerings.

Candidates must have no deficiencies in the work of any year; must satisfy the language requirement in French, German, Italian, Russian, Spanish, Latin or Greek; must attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed in another institution.

Beginning in September 1955, candidates' averages each semester will be computed on the basis of all courses taken at Amherst College, and candidates must have a general average, including failure grades, of 70 percent in courses taken at Amherst College to be eligible to receive the degree Bachelor of Arts.

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore year. At least one course in the major must be included in each semester

of both the junior and senior years. Each department decides whether a freshman course in a department shall count toward its major.

The major can be met in accordance with either of two plans:

Plan A: A student may complete the thirty credit hour requirement within one department. He must complete at least twenty-two credit hours within one department, however, in which case he may complete the remaining credit hour requirement in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Renaissance Studies, may be made with the consent of the several departments concerned and of the Dean.

Language Requirements

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language in an oral examination to be given to freshmen at the beginning of the college year.
2. After entrance, by passing course 5, or by passing reading and aural comprehension examinations to be given at the end of course 3.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.
2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

Degree with Honors

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the Commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such award the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 80 to be eligible to

be considered for the degree *cum laude*, of 86 for the degree *magna cum laude*, and of 90 for the degree *summa cum laude*. (2) Candidates must receive the recommendation for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

A student is expected to have a general average of at least 80 percent at the time he is accepted as a candidate for honors in a department or group. However, if the department concerned approves, a student whose average is below 80 percent may become a candidate for the degree with honors.

A candidate for a degree with honors may be permitted, at the discretion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses.

Course Divisions 1955-56

DIVISION I *The Humanities*	DIVISION II *Social Studies*	DIVISION III *Mathematics and Natural Sciences*
Dramatics Arts	American Studies	Astronomy
English	Economics	Biology
Fine Arts	History	Chemistry
French	Legal Studies	Cryptography
German	Political Science	Geology
Greek		Mathematics
Humanities		Physics
Italian		Psychology
Latin		Science
Music		
Philosophy		
Public Speaking		
Religion		
Spanish		

CURRICULUM FOR FIRST TWO YEARS 1955-56

The complete program for freshmen and sophomores, not including ROTC participation, is:

Science	*History*	*Humanities*	*Elective*	*Public Speaking*
		FRESHMAN YEAR		
Physical Science and Mathematics*	European Civilization	English and Humanities	Foreign language or other elective	
		SOPHOMORE YEAR		
Choice of A or B: A. Chemistry and Biology B. Evolution of the Earth and Man	Problems in American Civilization	*Three courses from:* A. Literature — English or foreign B. Philosophy, Religion, Classical Civilization C. Fine Arts, Music and Drama	Elective	Public Speaking

** A combination course in mathematics and physics. Students are assigned to sections according to their previous experience.*

U. S. Air Force
Reserve Officers' Training Corps

This program is optional for incoming freshmen who meet the following requirements: (1) More than 14 and less than 23 years of age at time of initial enrollment; (2) Citizen of the United States; (3) A record free from conviction by any civil court for other than a minor traffic violation; (4) Pass a physical examination which qualifies the individual duty as a reserve officer in the United States Air Force.

The AF ROTC program is divided into basic and advanced courses of two years each, the basic being conducted during the freshman and sophomore years and the advanced during the junior and senior years. The ultimate objective of the program is to commission qualified students in the Air Force Reserve upon their graduation from Amherst.

The first year basic course consists of background subjects necessary for basic Officer Training, Leadership, Drill, and Exercise of Command for a total of 90 hours. This phase is presented throughout the academic year and averages two contact hours per week. The drill requirement is met through student participation for two hours per week in the first eight weeks of the first semester and the last eight weeks of the second semester. (No drill will be conducted during the winter months.)

The second year basic course consists of Technical Air Force matters relevant to junior officer development, and Leadership, Drill, and Exercise of Command for a total of 90 hours. The drill requirement is met in the same manner as for the first year basic, above, and the other subjects are conducted through two regularly scheduled contact hours per week throughout the academic year.

The College allows two credits per semester for students participating in the basic courses.

With the advanced course comes another selection period when students who have completed the four semesters of basic ROTC are chosen to continue their Air Force education. Selections are made from applications of qualified students; final approval of the PAS (Professor of Air Science) and the Dean of the College is necessary before the applicant is finally enrolled.

The advanced course involves 150 hours per academic year which includes more advanced and specialized subjects, and a continuation of Leadership, Drill, and Exercise of Command with cadets holding higher positions of responsibility in the Amherst Corps of Cadets.

The College allows three credits per semester for students participating in the advanced courses.

All students formally enrolled in the advanced course must attend a

four-weeks summer training unit between their junior and senior years. The summer training offers a realistic approach to the Air Force and gives the cadet a practical idea of what future active duty may entail.

Upon graduation from Amherst and completion of the four-year AF ROTC course including summer training, the student who intends to fly is commissioned as a second lieutenant in the USAF Reserve. Active duty after being commissioned will depend upon the condition of world affairs at that time.

N.B.: Enrollment in either the basic or advanced courses is by individual application to the PAS, Amherst College, Amherst, Massachusetts. Freshmen will normally be contacted by mail during the spring or summer preceding their first year at Amherst.

II

Courses of Instruction

Courses of Instruction

1955–1956

a. Freshman courses are numbered 1–20; sophomore courses 21–40; and junior and senior courses 41–80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

Air Science

Lt. Colonel Heber, Major Poole, Major Rickard, Captain Harman, Captain Joyce, M.Sgt. Wozniak, T.Sgt. Graham, S.Sgt. Richardson, S.Sgt. Tatterfield.

Air Science IA *2 credit hrs.*

Introduction to AFROTC, Introduction to Aviation and Fundamentals of Global Geography. Two class hours per week. *Elective for Freshman. First Semester.*

Drill—Basic military training, including wearing the uniform, military courtesy and bearing, element drill, flight and squadron drill and mass formations. Two hours per week for the first eight weeks of the first semester. *Required of all AS I enrollees. First Semester.*

Air Science IB *2 credit hrs.*

International Tensions and Security Organizations and Instruments of National Military Security. Continuation of drill. Same class hour requirements as first semester with two hours of drill per week for the last eight weeks of the second semester. AS IA, *Required of all AS I enrollees. Second Semester.*

Air Science IIA *2 credit hrs.*

Elements of Aerial Warfare, including targets, weapons and delivery aircraft. Two class hours per week. Required of all sophomore AFROTC enrollees who have completed AS I.

Leadership Laboratory; Cadet Non-Commissioned Officer Training with students assuming positions of higher leadership in the cadet organi-

zation. Two hours per week for the first eight weeks of the first semester. *Required of all AS II enrollees. First Semester.*

AIR SCIENCE IIB *2 credit hrs.*

Elements of Aerial Warfare including bases and forces, and careers in the United States Air Force. Continuation of leadership laboratory. Same class hour requirements as first semester with two hours of leadership laboratory for the last eight weeks of the second semester. *Required of all AS II enrollees. Second Semester.*

AIR SCIENCE IIIA *3 credit hrs.*

Introduction to Advanced AFROTC, The Air Force Commander and Staff, Problem Solving Techniques, The Communications Process and Air Force Correspondence and Military Law, Courts and Boards. Four class hours per week. Requisite: Complete AS I and AS II courses or equivalent credit (veterans and military school graduates). *Taken only by accepted applicants for Advanced AFROTC.*

Leadership Laboratory; Cadet Officer Training with students assuming top non-commissioned officer positions in the cadet organization. Duties assumed by students involving planning and supervision of corps activities. Two hours per week for the first eight weeks of the first semester. *Required of all AS III enrollees. First Semester.*

AIR SCIENCE IIIB *3 credit hrs.*

Applied Air Science including: Aerodynamics and Propulsion, Navigation, Weather; and Air Force Base Functions. Same class hour requirements as first semester. Continuation of Leadership Laboratory taken two hours per week for the last eight weeks of the second semester. Requisite: Air Science IIIA. *Required of all Advanced Courses enrollees in AS III. Second Semester.*

AFROTC SUMMER ENCAMPMENT *No credit*

Taken in the summer following the junior year at an active Air Force base and normally involves a four weeks period. Program includes: Individual Weapons, Familiarization Flying, Field Exercises, USAF Base Activities and Equipment. Air Base Problems, Physical Training and Drill. *Must be completed by all advanced course students subsequent to junior AS III year.*

AS IVA *3 credit hrs.*

Critique of Summer Camp and Introduction to AS IV; Leadership and Management Seminar; Career Guidance; Military Aspects of World

Political Geography I; with students holding highest officer positions in Leadership Laboratory conducted two hours per week for the first eight weeks of the first semester. Requisite: AS III and Summer Camp. *Required of all Advanced Course Enrollees in AS IV. First Semester.*

AS IVB *3 credit hrs.*

Military Aspects of World Political Geography II; Military Aviation and Evolution of Warfare; Briefing for Commissioned Service; with a continuation of Leadership Laboratory two hours per week for the last eight weeks of the second semester. Requisite: AS IVA. *Required of all Advanced Course Enrollees in AS IV. Second Semester.*

American Studies

Professors Greene, Kazin, Kennedy, Latham, C. Morgan, Rozwenc, Taylor,* Warne, and Ziegler; Messrs. Fenno, Garfinkle, P. Nelson, and Richardson.

Note: For a major in American Studies: (a) At least two semester courses must be taken from American Studies 43, 44, 45, 47, and at least two semester courses from American Studies 25, 27, 48, 53, 54, 59, 60, 61, 62, 66. (b) American Studies 79 is recommended for all majors who are doing average work or better. (c) Eight semester courses are required for the major, not including American Studies 21, 22. All of these courses may be taken from those listed in (a) and (b) above, but in special cases other courses may be counted toward the major, if approved by the Department.

Honors candidates will conform to the requirements for a major indicated above and are required to include among the eight courses counting toward their major, American Studies 79 and 80. In conjunction with American Studies 80, each candidate will write an original essay on a topic which has been approved by the Department. Early in May of his senior year he will take a comprehensive written and oral examination, the nature of which will be determined by his fields of special concentration.

21, 22. Problems in American Civilization. Professors Greene, Kazin, Kennedy, Rozwenc, Warne, and Ziegler; Messrs. Fenno, Garfinkle, P. Nelson, and Richardson.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. Five lectures and one two-hour labo-

* *Absent on leave 1955–56.*

ratory period every two weeks. *Required for Sophomores. First and second semesters.*

23S. The American Economy. Professor Nelson. *4 credit hrs.*
(Same course as Economics 23S.) *Elective for Sophomores. Second semester.*

25. American Constitutional Development. *4 credit hrs.*
Professor Latham.
(Same course as Political Science 25.) *Elective for Sophomores. First semester.*

27. Political Parties. Mr. Fenno. *4 credit hrs.*
(Same course as Political Science 27.) *Elective for Sophomores. First semester.*

42. Labor Economics. Professor Warne. *4 credit hrs.*
(Same course as Economics 42.) *Elective for Sophomores. First semester.*

43. American Literature. Professor Kazin. *3 credit hrs.*
(Same course as English 43.) *Elective for Juniors. First semester.*

44. American Literature. Professor Kazin. *3 credit hrs.*
(Same course as English 44.) *Elective for Juniors. Second semester.*

45. American Art. Professor C. Morgan. *3 credit hrs.*
(Same course as Fine Arts 45.) *Elective for Juniors. First semester.*

47. American Philosophy. Professor Epstein. *3 credit hrs.*
(Same course as Philosophy 47.) *Elective for Juniors. First semester.*

48S. American Economic History. Mr. Garfinkle. *4 credit hrs.*
(Same course as Economic 48S.) Prerequisite: Economics 21. Preference will be given to students who have had History 53–54 or History 59–60. *Limited to fifteen students. Elective for Juniors. First semester.*

53. Social and Intellectual History of the United States.
Professor Rozwenc. *4 credit hrs.*
(Same course as History 53.) *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

54. Social and Intellectual History of the United States.
Professor Rozwenc. *4 credit hrs.*
(Same course as History 54.)*Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

55. American Political Theory. Mr. Fenno. *3 credit hrs.*

(Same course as Political Science 55.) *Elective for Juniors with the consent of the instructor. First semester.* (*Omitted 1955–56.*)

59. American Political History. Professor Rozwenc. *4 credit hrs.*

(Same course as History 59.) *Elective for Juniors. First semester.*

60. American Political History. Professor Rozwenc. *4 credit hrs.*

(Same course as History 60.) *Elective for Juniors. Second semester.*

61. Foundations of American Civilization. *4 credit hrs.*
Professor Greene.

(Same course as History 61.) *Elective for Juniors. First semester.*

62. American Diplomatic History. Professor Greene. *3 credit hrs.*

(Same course as History 62.) *Elective for Juniors. Second semester.*

66. Westward Expansion of America. Professor Greene. *3 credit hrs.*

(Same course as History 66.) *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

70. Introduction to Honors Work in American Civilization.
Professors Greene and Rozwenc and Mr. Garfinkle. *4 credit hrs.*

A study of classic writings in diverse areas of American Civilization plus modern works representing problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Juniors with the consent of the department. Second semester.*

79. Seminar in American Civilization. *6 credit hrs.*
Professors Greene, Kazin, and Rozwenc.

Honors work in American civilization. One two-hour session weekly. Limited to fifteen students. *Elective for Seniors with the consent of the instructor. First semester.*

80. Honors. *6 credit hrs.*

Elective for Seniors. Second semester.

Astronomy

Professor Green; Associate Professor Linnell.

Note: A major in astronomy will consist of Astronomy 22, 23, 24, Physics 22, Mathematics 3, Science 42, and two other courses from Divi-

sion III approved by the Department of Astronomy. Combined majors in astronomy and mathematics, or astronomy and physics may be arranged in consultation with the departments concerned.

Candidates for honors in astronomy must present the following courses: Astronomy 22, 42, 79, 80, Physics 22, 51, 52, and Mathematics 23.

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22. Introduction to Descriptive and Physical Astronomy. *4 credit hrs.*
Professor Linnell.

Physical characteristics and distributions in space of members of the solar system, stars, nebulae, and galactic systems. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. Introduction to Air and Sea Navigation. *4 credit hrs.*
Professor Green.

Four hours of classroom work per week. *Elective for Sophomores. First semester.* (*Omitted 1956–57.*)

24. Nautical Astronomy, Celestial and Electronic Navigation.
Professor Green. *4 credit hrs.*

Requisite: Astronomy 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.* (*Omitted 1956–57.*)

42. Astrophysics. Professor Linnell. *3 credit hrs.*

Application of the laws of physics to stars and interstellar space. Specific topics covered will vary from year to year. In general, these will include a selection from the theory of stellar interiors, stellar atmospheres, formation and evolution of stars, and the analysis of stellar spectra. Three hours of classroom work per week. Requisites: Physics 22 and Math 23. Additional physics courses, though not required, will be found helpful. *Elective for Juniors. Second semester in alternate years.*

79–80. Conference Courses. *4 credit hrs.*
Professors Green and Linnell.

The subject matter to be covered in these courses will be arranged to suit the needs of the individual students. Students planning to elect these courses should consult with the Department before the end of the first semester of the junior year. *Elective for Seniors. First and second semester.*

Biology

Professors KIDDER, PLOUGH, SCHOTTÉ,* and WOOD;
Assistant Professor YOST; Messrs. ELLIS and HEXTER.

Note: A major in biology will consist of at least 24 semester hours in biology together with any 8 semester hours in chemistry. Under certain conditions these specific requirements may be modified with the approval of the department. The course in Evolution of the Earth and Man (Science 23, 24) counts as 4 semester hours, and Science 22 counts as 4 semester hours of biology toward a major. Biology 59 is not counted toward the major.

A chemistry-biology major requires 16 semester hours in each of the departments and must include Chemistry 43–44. Science 21 and Science 22 may be counted as 4 semester hours in chemistry and biology respectively, and Science 23, 24 counts as 4 semester hours in biology.

A psychology-biology major requires at least 16 semester hours in each of the departments. Science 23–24 (one semester credit in biology) and Science 22 may be counted as 4 semester hours each in biology toward this major.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors in biology must have completed by the beginning of the senior year a minimum of 16 semester hours in biology; sophomore courses may be counted and the course in Evolution of the Earth and Man (Science 23–24) counts as 4 semester hours in biology. Honors candidates must elect Biology 79, 80 and complete by the end of senior year a minimum of 32 semester hours in biology.

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an original investigation under the direction of some member of the staff.

In spring of his senior year the candidate writes a comprehensive examination on the whole field of biology. He also writes a thesis presenting the results of his research and defends his findings orally before the whole Department.

Recommendations for the various grades of honors will be made on the basis of the reports, the comprehensive examination, and the value of the original investigation.

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22. Same Course as Science 22. *4 credit hrs.*

23, 24. Same Course as Science 23, 24. *4 credit hrs.*

* *Absent on leave second semester.*

25. General Zoology. Mr. Ellis. *4 credit hrs.*

Morphology, classification and general physiology of animals, chiefly invertebrates. Special consideration is given to such general phenomena as interrelation of animals with their environment, parasitism, reproduction, development and evolution. Three hours classroom and four hours laboratory or field work per week. *Elective for Sophomores. First semester.*

28. General Botany. Professor Yost. *4 credit hrs.*

The structure, physiology and reproduction of plants. Botanical history, ecological adaption. Three hours classroom and four hours laboratory work or field work per week. *Elective for Sophomores. Second semester.*

41S. Comparative Anatomy. Professor Wood. *4 credit hrs.*

A study of the anatomy of vertebrates and a review of vertebrate evolution. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

42S. Embryology. Professor Schotté. *4 credit hrs.*

A description of developmental processes in the vertebrates, with an introduction to the physiology of development. Four hours classroom and two hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

43. Genetics. Mr. Hexter. *4 credit hrs.*

The general principles and techniques of heredity, and their bearings on reproduction and the determination of sex. Breeding experiments in the laboratory. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

45. Cytology and Histology. Professors Schotté and Yost. *4 credit hrs.*

A detailed study of modern aspects of finer structures of the cell with special reference to both the cytoplasmic and nuclear mechanisms of reproduction. The second part of the course centers around cellular differentiation and organization into tissues and organs (general histology). The laboratory exercises deal with cytological methods and fundamental histological techniques. Four hours of lectures and one laboratory session a week. Requisite: One semester of biology. *Elective for Juniors. First semester.* (*Alternate years with Biology 52; omitted 1955–56.*)

46. Human Genetics. Mr. Hexter. *4 credit hrs.*

A survey of heredity in man with special emphasis on the methods of human genetics. The application of these findings to problems of sex-determination, eugenics, the role of environment, and the significance

of race will be discussed from the point of view of both the individual and the population. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

47. Experimental Morphology. Professor Schotté. *4 credit hrs.*

An experimental analysis of the problems of differentiation of form and structure, including the physiology of embryonic development and studies on regeneration. Three hours classroom and four hours laboratory per week. Requisite: One semester in Biology. *Elective for Juniors. First semester.* (*Alternate years with Biology 45; omitted 1955–56.*)

51. Biochemistry. Professor Kidder. *4 credit hrs.*

A study of the fundamental chemical processes of living matter. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology and organic chemistry (which may be taken concurrently). *Elective for Juniors. First semester.*

52S. Cellular Physiology. Professor Yost. *4 credit hrs.*

A study of cellular function in relation to structure, with special emphasis on membranes and enzymes. Three hours classroom and four hours laboratory work per week. *Elective for Juniors. First semester.* (*Alternate year with Biology 45.*)

54. Bacteriology. Professor Plough. *4 credit hrs.*

A study of the bacteria, yeasts and molds, their physiological activities and genetic relationships. Three hours classroom and four hours laboratory work per week. Requisite: Two semesters in biology and one course in chemistry. *Elective for Juniors. Second semester.*

56S. Evolution of the Vertebrates. Professor Wood. *4 credit hrs.*

(Same course as Geology 56S.) Requisite: Biology 41. *Elective for Juniors. First semester.*

59. Recent Developments in Biology. The Staff. *2 credit hrs.*

Lectures on important trends and achievements in any of the major fields in biology. The subjects vary from year to year. They are chosen because of their general interest or because of their interrelations with other fields of study. Two lectures per week without laboratory work. No requisite. (Not counted toward the major in Biology.) *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

71. Biology of Viruses. Professor Plough. *3 credit hrs.*

A seminar review of some recent studies of viruses with special refer-

ence to the mode of virus multiplication. Laboratory studies of bacterial viruses or bacteriophage. Requisite: Two semester courses in biology. *Elective for Seniors with the consent of the instructor. First semester.*

79, 80. Seminar in Biology. The Staff. *6 credit hrs.*

The classwork consists of oral summaries and reports on problems of current biological interest. In addition, each student will carry on an individual investigation under some member of the staff. The course is designed for honor candidates, but is open to other advanced students with the consent of the Department. Requisite: Four semester courses in biology. *Elective for Seniors. First and second semesters.*

Chemistry

Professors Beebe, Grahame, and Whitney;
Assistant Professors Robison and Scott.

Candidates for the degree with honors in chemistry will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members and by students.

In the senior year, candidates will normally enroll in Chemistry 71 or 73, and in Chemistry 80. Individual laboratory problems will be selected by the student in conference with some member of the Department. These may be advanced types of inorganic or organic syntheses, physicochemical experiments or analyses, or problems for original investigation. Each candidate will write a thesis based upon his laboratory work. He will take six hours of written examinations and a one-week open-book problem examination. Recommendations for the various degrees of honors will be made by the department on the basis of the thesis work and the comprehensive examination.

The program for the bachelor's degree with a major in chemistry, as approved by the American Chemical Society, includes Chemistry 48, 50, 71 or 73, 80, and their prerequisites, a reading knowledge of German, one or two semesters of physics beyond the Science 1–2 course, Mathematics 3 and preferably Mathematics 23 or 31–32.

Notes:

A chemistry-biology major requires sixteen semester hours in each of the two departments, and must include Chemistry 43–44. Science 21 and Science 22 may be counted as semester courses in chemistry and biology respectively.

21. Same Course as Science 21. *4 credit hrs.*
Professors Beebe, Grahame, Robison, Scott, and Whitney.

24. Inorganic and Analytical Chemistry. *4 credit hrs.*
Professors Beebe and Scott.

A study of the chemistry of inorganic substances with special emphasis on ionic equilibria as met in qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Science 21. *Elective for Sophomores. Second semester.*

41. Physical Chemistry. Professor Grahame. *4 credit hrs.*

A study of the fundamentals of theoretical chemistry. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 42, and Mathematics 3. *Elective for Juniors with the consent of the instructor. First semester.*

42. Physical Chemistry. Professor Grahame. *4 credit hrs.*

A continuation of Chemistry 41. Requisite: Chemistry 41. *Elective for Juniors. Second semester.*

43. Organic Chemistry. *4 credit hrs.*
Professors Whitney and Robison.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. The chemistry of the most important functional groups only is studied in this course. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

44. Organic Chemistry. *4 credit hrs.*
Professors Whitney and Robison.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Elective for Juniors. Second semester.*

47. Quantitative Analysis. Professor Scott. *2 credit hrs.*

The quantitative analysis of inorganic substances with emphasis on volumetric methods. Principles of elementary physical chemistry will be considered and applied. One hour classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

48. Quantitative Analysis. Professor Scott. *2 credit hrs.*

A continuation of Chemistry 47. Requisite: Chemistry 47. *Elective for Juniors. Second semester.*

50. Advanced Inorganic Chemistry. *2 credit hrs.*
Professors Robison and Scott.

Two hours classroom work per week. Requisite: Chemistry 24. *Elective for Juniors. Second semester.*

71. Advanced Physical Chemistry. Professor Grahame. *3 credit hrs.*

A discussion of selected topics in physical chemistry from the fields of thermodynamics, quantum mechanics, and the nature of the chemical bond. Three class hours per week. Requisite: Chemistry 42. *Elective for Seniors. First semester.*

73. Qualitative Organic Chemistry. Professor Robison. *4 credit hrs.*

A continuation of the study of organic chemistry, with emphasis on the laboratory identification and characterization of organic compounds. Two hours classroom and six hours laboratory work per week. Requisite: Chemistry 44. *Elective for Seniors, with the consent of the Instructor. First semester.*

79–80. Honor Course. The Department. *6 credit hrs.*

Elective for honor candidates, and for others with the consent of the Department. Second semester.

Classics

Associate Professors Clausen, Kern and Moore*; Mr. Gould.

Note: All courses offered by the Department which are numbered 4 or higher may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1 and 2. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a long essay (6000–7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various

* *Absent on leave 1955–56.*

optional questions. The award of honors will be determined by the quality of the candidate's work in his courses, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

23. Classical Civilization. Professor Moore. *3 credit hrs.*

(Same course as History 23.) A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. First semester.* (*Omitted 1955–56.*)

24. Classical Civilization. Professor Clausen. *3 credit hrs.*

(Same course as History 24.) A study of Hellenistic and Roman civilizations and their contributions to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

Greek

1. Introduction to the Greek Language. *4 credit hrs.*
Professor Clausen.

Five class meetings per week. *Elective for Freshmen. First semester.*

2. Introduction to Greek Literature. *4 credit hrs.*
Professor Kern.

Requisite: Greek 1 or its equivalent. Five class meetings per week. *Elective for Freshmen. Second semester.*

3. The Iliad. Mr. Gould. *4 credit hrs.*

Requisite: Greek 1 and 2 or their equivalent. Five class meetings per week. *Elective for Freshmen. First semester.*

4. The Odyssey; The Lyric Poets. Professor Clausen. *4 credit hrs.*

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

5. Plato's *Apology;* A Play of Euripides. Mr. Gould. *4 credit hrs.*

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

6. Greek Tragedy. Mr. Gould. *4 credit hrs.*

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. Readings in Greek Literature of the Fifth Century. *4 credit hrs.* (*Omitted 1955–56*)

Requisite: Greek 5 or 6. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. First semester.*

22. Readings in Greek Literature of the Fifth Century. *4 credit hrs.* (*Omitted 1955–56*)

Requisite: Greek 5 or 6. Three class meetings per week. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. Second semester.*

41, 42. Advanced Readings in Greek Literature. *4 credit hrs.* (*Omitted 1955–56*)

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's Republic and Aristotle's Ethics; Pindar, Bacchylides, and Theocritus; Demosthenes and Thucydides; the Greek novelists. Requisite: Greek 6. *Seminar course; elective for Juniors. First and second semesters.*

79, 80. Senior Honors Course. *6 credit hrs.*

Latin

1, 2. Introductory Course. Professor Kern. *4 credit hrs.*

Latin grammar; selections from Caesar's Gallic War; select orations of Cicero. Five class meetings per week. *Elective for Freshmen. First and second Semesters.*

3. Intermediate Course. Mr. Gould. *4 credit hrs.*

Review of Latin grammar; selections from *Viri Romae* and Cicero's Orations. Requisite: Latin 1–2, or two or three entrance units in Latin. Five class meetings per week. *Elective for Freshmen. First semester.*

4. The Aeneid. Professor Clausen. *4 credit hrs.*

Requisite: Latin 3, or three entrance units in Latin. Three class meet-

ings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

5. Cicero's de Senectute; Selections from Catullus and from Horace's Odes. *4 credit hrs.*
Professor Kern.

Requisite: Latin 4, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

6. Horace's Odes, Selections from Pliny's Letters, and A Play of Terence. *4 credit hrs.*
Professor Kern.

Requisite: Latin 4 or 5, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. The Roman Historians. Professor Kern. *3 credit hrs.*

Requisite: Latin 5 or 6. Three class meetings per week. *Elective for Sophomores. First semester.*

22. Lucretius. Mr. Gould. *3 credit hrs.*

Requisite: Latin 5, 6, or 21. Three class meetings per week. *Elective for Sophomores. Second semester.*

25. Latin Poetry: Lyric and Pastoral. *2 credit hrs.*
Professor Clausen.

Intended for students of literature who wish to acquire some knowledge of the tradition of Latin poetry. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. *Elective for Sophomores with permission of the instructor. First semester.*

41, 42. Advanced Readings in Latin Literature. *4 credit hrs.*
Professor Clausen.

The authors read in these courses vary from year to year, each course giving a survey of one field of Latin literature; e.g., Roman Satire, Roman Philosophy, Roman Law, Late Latin, Roman Tragedy, etc. Requisite: Latin 21 or 22. Three class meetings per week. *Elective for Juniors; seminar course. First and second semesters.*

79, 80. Senior Honors Course. *6 credit hrs.*

Cryptography

Professor HOLMES.

22S. ELEMENTARY CRYPTOGRAPHY AND CRYPTANALYSIS. *3 credit hrs.*
Professor HOLMES.

A study of the logical and philological principles involved in the construction and analysis of ciphers and codes. Military uses emphasized. Three class meetings per week. *Elective for Sophomores, with preference given to Junior and Seniors. First semester.*

22. ELEMENTARY CRYPTOGRAPHY AND CRYPTANALYSIS. *3 credit hrs.*
Professor HOLMES.

Same description as Cryptography 22S. Three class meetings per week. *Elective for Sophomores, with preference given to Juniors and Seniors. Second semester.*

Dramatic Arts

Associate Professors MCGOUN, PETTET, and ROGERS;* Mr. BRENNAN.

Note. Majors: Students majoring in Dramatic Arts must complete Dramatic Arts 25, 26, 43, 44, either 45 or 46, and 79, 80.

Courses in other departments recommended for major students: English 25, 26, 41; Fine Arts 23, 24, 41; French 18, 29, 43, 44; Music 46; Philosophy 44.

Honors: Areas of concentration for a degree with honors in Dramatic Arts are: Theater History or Dramatic Criticism and Aesthetics.

Dramatics 25 or 25S may be used in satisfaction of the sophomore humanities requirement.

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25. INTRODUCTION TO THEATER STUDIES. Professor PETTET. *3 credit hrs.*

An investigation into plays, theaters, theatrical customs and criticism from the Dionysian Festivals to the well-made play of the 19th Century. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

25S. INTRODUCTION TO THEATER STUDIES. Professor PETTET. *3 credit hrs.*

Same course as 25. *Second semester.*

26. INTRODUCTION TO THEATER STUDIES. Professor PETTET. *3 credit hrs.*

A continuation of Dramatic Arts 25. The Theater from Ibsen to Eliot. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

43. PRINCIPLES OF DRAMATIC PRODUCTION. *3 credit hrs.*
Professors PETTET and MCGOUN and Mr. BRENNAN.

A study of directing, scene design and stage lighting considered as in-

* *Absent on leave 1955–56.*

struments of dramatic interpretation. Both Dramatic Arts 43 and 44 must be completed to secure credit for Dramatic Arts 43. Three hours classroom work per week. *Elective for Juniors. First semester.*

44. Principles of Dramatic Production. *3 credit hrs.*

Professors Pettet and McGoun and Mr. Brennan

Continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. Theater History. Professor McGoun. *3 credit hrs.*

An analysis of theatrical production from the 5th Century B.C. to modern times with emphasis on the relation of art forms to the theater. *Elective for Juniors. First semester.*

46. Aesthetics of the Theater. Professor Pettet. *3 credit hrs.*

Analysis of the philosophy underlying dramatic conventions, composition and production. An intense investigation through plays and critics of the art of the playwright and dramatic communication. Requisite: Dramatic Arts 25 or the approval of the instructor. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. (Omitted 1955–56.)*

79. Conference Course. The Department. *4 to 8 credit hrs.*

Advanced work in one or two of the following fields of Dramatic Arts: Theater History, Criticism and Aesthetics, Playwriting, Directing. Scene Design, Stage Lighting. Projects for honors may be undertaken in connection with this course. *Elective for Seniors with the consent of the Department. First Semester.*

80. Conference Course. The Department. *4 to 8 credit hrs.*

Continuation of Dramatic Arts 79. *Elective for Seniors with the consent of the Department. Second semester.*

Economics

Professors J. Nelson, Ross, Taylor,* Thorp, and Warne;
Messrs. Collery, Garfinkle, Juster, P. Nelson, and Richardson.

The following courses are required for a major in Economics:
Rite Students: Economics 21, 71.
Honors Students: Economics 21, 70, 79, 80.
Candidates for the degree with honors in economics will determine their

* *Absent on leave 1955-56.*

class programs in consultation with the Department. Each candidate must attend the honors seminars conducted as a part of Economics 79–80 and prepare a thesis on a subject approved by the Department. Each candidate for honors will be examined by the Department on his work in Economics, and on the contents of his thesis, at the close of his senior year.

18. Introduction to the Analysis of Economic Problems. *1 credit hr.*

Professor Thorp.

A course designed to acquaint the student with the major approaches of economists to questions of economic policy and analysis. Primarily offered for those who do not plan to major in economics, this course is open only to those students who have not enrolled in Economics 21.

Elective for freshmen. Second semester.

21. An Introduction to Economics. *4 credit hrs.*

Professor J. Nelson and Messrs. Collery, P. Nelson, and Richardson.

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organizations and control. One lecture and three hours of discussion each week. Prerequisite or corequisite for all other courses in economics, except Economics 18. *Elective for Sophomores. First semester.*

21S. An Introduction to Economics. *4 credit hrs.*

Messrs. Juster, P. Nelson, and Richardson.

Same description as above. *Elective for Freshmen. Second semester.*

23S. The American Economy. *4 credit hrs.*

Professor J. Nelson.

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

25. National Income and Wealth. *4 credit hrs.*

Mr. Juster.

An examination of the factors that influence the level of national income and employment; the determinants of international differences in income and wealth. Special emphasis will be placed on the role of public policies as they affect the magnitude and composition of the national income. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. First semester.*

41. Comparative Economic Systems. Professor Warne. *4 credit hrs.*

A study and comparison of the principal types of economic systems with special emphasis upon the position of labor in each. Prerequisite or corequisite: Economics 21. Four lectures each week. *Elective for Sophomores. First semester.*

42. Labor Economics. Professor Warne. *4 credit hrs.*

A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures. Three lectures and one hour of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

43. Money and Banking. Mr. Collery. *4 credit hrs.*

A study of money and finance and their relation to the functioning of an economic system, with special emphasis on the effects of monetary and credit policy on employment, production, and prices. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. First Semester.*

45. Economic Statistics. Professor Ross. *4 credit hrs.*

A study of the sources of quantitative economic data, with special emphasis on the application of statistical methods to economic problems. Three lectures and two hours laboratory work each week. Prerequisite: Economics 21. *Elective for Juniors; limited to twenty-five students. First semester.*

46. Accounting. Professor Ross. *4 credit hrs.*

A study of the principles of accounting as related to economic analysis. Attention will be given to the use of accounts by persons and corporations and the application of accounting techniques to the study of national wealth and income. Four hours of classroom work per week. Prerequisite: Economics 21. *Elective for Juniors; limited to twenty-five students. Second semester.*

48S. American Economic History. *4 credit hrs.*
Mr. Garfinkle.

A study of the economic history of the United States with chief emphasis on the period before 1900. One two-hour seminar each week. Prerequisite: Economics 21. Preference will be given to students who have had History 53–54 or History 59–60. *Elective for Juniors; limited to fifteen students. First semester.*

49S. History of Economic Thought. Professor J. Nelson. *4 credit hrs.*

A study of the development of economic thought as reflected in the writings of a limited number of authors, chiefly British and American. Attention will be given to both the classical and the dissenting schools. The writings of such men as Smith, Ricardo, J. S. Mill, Jevons, Marshall,

Raymond, Henry C. Carey, J. B. Clark, and Veblen will be studied. One two-hour seminar each week. Prerequisite: Economics 21. *Elective for Juniors; limited to fifteen students. Second semester.*

51. Monopoly Regulation. Professor J. Nelson. *3 credit hrs.*

The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Prerequisite: Economics 21. *Elective for Juniors. First semester.*

53S. International Economic Policy. Professor Thorp. *3 credit hrs.*

An examination into the nature of commercial, monetary, investment, and other economic problems which appear when public or private interest extends across national boundary lines, and the principles and pressures which affect their solution, with particular reference to recent American experience. Three hours of classroom work per week. Prerequisite: Economics 21. *Elective for Juniors. Second semester.*

70. Junior Honors. Mr. Collery. *4 credit hrs.*

A study of the more important analytical methods and conclusions of modern economics, with special reference to their application to economic research. Prerequisite: Economics 21. *Required of and limited to Junior Honors students. Second semester.*

71S. Problems in American Economic Policy. *3 credit hrs.*
Messrs. Collery and Juster.

A study of the process of formulating and executing public economic policy in the United States, based upon an intensive examination of selected cases. Particular emphasis will be given to the interrelationships of economic, political, philosophical, and other factors that affect public policy determination. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. *Limited to and required of all Seniors majoring in Economics who are not candidates for Honors. Second semester.*

79. Economics Honors. Professor Warne and the Department. *6 credit hrs. First semester.*

80. Economics Honors. Professor Thorp and the Department. *6 credit hrs. Second semester.*

Education

Professor Kennedy; Assistant Professor Grose; Mr. Birney.

24S. Developmental Psychology. Mr. Birney. *3 credit hrs.*

(Same course as Psychology 24S.) Requiste: Psychology 21. *Elective for Juniors. First semester.*

41. Philosophy of Education. Professor Kennedy. *3 credit hrs.*

(Same course as Philosophy 41. Given in alternate years.) *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

42S. Educational Psychology. Professor Grose. *3 credit hrs.*

(Same course as Psychology 42S.) Requisite: Psychology 21. *Elective for Juniors. Limited to fifteen students. First and second semesters.*

44. Psychological Tests and Measurements. *3 credit hrs.*
Professor Grose.

(Same course as Psychology 44.) Requisite: Psychology 21. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

English

Professors Baird,* Craig, Kazin, and McKeon;
Associate Professors Barber and Gibson †; Assistant Professors DeMott and Merrill; Messrs. Bellamy, Bishop, Butler, Jordan, Moro, and Swiggart.

Note: All English majors are required to elect English 21-22, English 63-64, and four other semester courses, exclusive of English 1-2, offered or approved by the English Department.

Candidates for honors in English are required to complete the following semester courses in English, exclusive of English 1-2: English 21-22, English 25-26, English 41 or 42, English 46, English 63-64, and English 79-80. Qualified candidates should in their senior year elect English 79-80.

1. Composition. *2 credit hrs.*
Professors Baird (Chairman) and DeMott, and Messrs. Bellamy, Bishop, Butler, Swiggart, Moro, and Jordan.

Three hours of classroom work per week. *Required for Freshmen. First semester.*

2. Composition. *2 credit hrs.*
Professors Craig (Chairman) and DeMott and Messrs. Bellamy, Bishop, Butler, Swiggart, Moro, and Jordan.

Two hours of classroom work per week. Requisite: English 1. *Required for Freshmen. Second semester.*

21. Introduction to Literature. *3 credit hrs.*
Professors Craig (Chairman), Barber, DeMott and Merrill, and Messrs. Bellamy, Bishop, Butler, Merrill, Swiggart, and Jordan.

The aim of this course is to teach critical reading of literature. The material read in any one year is limited to a small number of works of

* *Absent on leave second semester.*
† *Absent on leave 1955–56.*

prose and poetry. Required for a major in English. Alternate course in Humanities Sequence. Three hours of classroom work a week. *Elective for Sophomores. First semester.*

22. Introduction to Literature. *3 credit hrs.*
Professors Craig (Chairman), Barber, DeMott and Merrill, and Messrs. Bellamy, Bishop, Butler, Merrill, Swiggart, and Jordan.

A continuation of English 21. Requisite: English 21. Three hours of classroom work a week. *Elective for Sophomores. Second semester.*

23. Advanced Composition. Professor Merrill. *4 credit hrs.*

A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussion of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. First semester.*

24. Advanced Composition. Professor Merrill. *4 credit hrs.*

A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. Second semester.*

25. Shakespeare. Professor Baird. *3 credit hrs.*

A reading of all the plays. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of "B" in a previous English course. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. Shakespeare. Professor Barber. *3 credit hrs.*

A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. The Renaissance: The Sixteenth Century. *4 credit hrs.*
Professor Barber.

A study of Spenser and the major Elizabethan dramatists, and their relation to social and religious assumptions in popular and devotional literature. Three meetings per week. *Elective for Juniors; limited to twenty-five students. First semester.*

42. The Renaissance: The Seventeenth Century. *4 credit hrs.*
Professor Craig.

A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-century writer. Three meetings per week. *Elective for Juniors; limited to twenty-five students. Second semester. (Omitted 1955–56.)*

43. American Literature. Professor Kazin. *3 credit hrs.*

A survey of American Literature from the seventeenth century to 1900 with emphasis on major figures. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. American Literature. Professor Kazin. *3 credit hrs.*

A continuation of English 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. The Nineteenth Century English Novel. *3 credit hrs.*
Professor Craig.

A study of representative works, with attention both to their literary structure and their relation to social history. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

46. Chaucer. Mr. Jordan. *4 credit hrs.*

Chaucer's major works in the original. Four hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of "B" in English 1-2 and who plan to become candidates for the degree with honors in English. Limited to twenty-five students. Second semester.*

47. Readings in Nineteenth Century Poetry. *3 credit hrs.*
Professor Gibson.

Reading of Romantic and Victorian poetry. Principal poets to be read in 1954–55 will be Byron, Keats, Tennyson, and Arnold. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

52. Joyce and Eliot. Professor Barber. *4 credit hrs.*

An introduction to some modern literary methods and related cultural issues by close reading of selections from the short stories and novels of James Joyce and the poems, plays and criticism of T. S. Eliot. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

54. Literature and Society, 1660–1740. *4 credit hrs.*
Professor DeMott.

A study of the prose and poetry of the Restoration and the earlier eighteenth century. Principal authors to be read in 1954–55 will be Dryden, Swift, and Pope; some attention will be paid to lesser figures. Three hours of classroom work per week. Limited to 25 students. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

56. Readings in Eighteenth Century Literature. *3 credit hrs.*
Professor Baird.

For 1953–54 the authors read were Boswell, Johnson, and Gibbon. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

62. Readings in Modern Fiction. Professor DeMott. *3 credit hrs.*

A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

63. History of English Literature. Professor Craig. *3 credit hrs.*

Readings in selected major works to determine the main periods and continuities of English literature from the introduction of printing to the mid-eighteenth century. Three hours of classroom work per week. Required for a major in English. *Elective for Juniors. First semester.*

64. History of English Literature. Professor Craig. *3 credit hrs.*

Readings in selected major works to determine the main periods and continuities of English literature from the late eighteenth century to the early twentieth. Requisite: English 63. *Elective for Juniors. Second semester.*

79–80. Conference Course. The Department. *6 credit hrs.*
Elective for Seniors.

Fine Arts

Professor C. Morgan; Associate Professor Rogers;*
Messrs. Brown, Darr and Miller.

Note: A major in fine arts consists of six semester courses in the department, including Fine Arts 23-24 and Fine Arts 25, and two semester courses in allied fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79-80. Fine Arts 25 is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 42; and Fine Arts 23–24 is normally the prerequisite for all advanced courses in the technical aspect of the field.

Fine Arts 21–22 and Fine Arts 25 or 25S may be used in satisfying the Sophomore humanities requirement.

21. Same course as Humanities 21. (*Omitted 1955–56.*) *4 credit hrs.*

22. Same course as Humanities 22. (*Omitted 1955–56.*) *4 credit hrs.*

23. Elementary Technique and Design. *3 credit hrs.*
Mr. Brown.

Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

24. Elementary Technique and Design. *3 credit hrs.*
Mr. Brown.

Elementary color theory and technique of water color painting. Requi-

* *Absent on leave 1955–56.*

site: Fine Arts 23 or its equivalent. One lecture and two two-hour laboratory periods per week. *Elective for Sophomores. Second semester.*

25. Survey of the History of Art. *3 credit hrs.*
Professor C. Morgan.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

Students in this course interested in applying principles of drawing may elect an additional two-hour a week studio section for one additional credit hour, a total credit of four hours for the course.

25S. Survey of the History of Art. *3 credit hrs.*
Mr. Miller.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

Students in this course interested in applying principles of drawing may elect an additional two-hour a week studio section for one additional credit hour, a total credit of four hours for the course.

42. Four Greek Sites. Professor C. Morgan. *3 credit hrs.*

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

43. European Art of the Eighteenth and Nineteenth Centuries.
Mr. Miller. *3 credit hrs.*

Background of European art before the French Revolution and its development during the following one hundred years. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

44. Studies in Modern Art. Mr. Darr. *3 credit hrs.*

An exploration of the major revolutions in styles, methods, and purposes of the arts of the 20th century with especial attention to the developmental forces that brought about these revolutions and their relation to developments in western civilization as a whole. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45S. American Art. Professor C. Morgan. *3 credit hrs.*

American architecture, sculpture and painting in America from the 17th century to the present day. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

47. Advanced Technique and Design. Mr. Darr. *3 credit hrs.*

Intensive studio work in oil aimed to increase the student's knowledge and control of materials and to focus his powers of communication. Occasional outside reading. Requisite: Fine Arts 23-24 or its equivalent. *Elective for Juniors. First semester.*

48. Advanced Technique and Design. Mr. Darr. *3 credit hrs.*

A continuation of Fine Arts 47. Requisite: Fine Arts 47. *Elective for Juniors. Second semester.*

49. Michelangelo. Professor C. Morgan. *1 credit hr.*

A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. First semester.*

50. Renaissance Art. Mr. Miller. *3 credit hrs.*

A progressive and comparative study of European art, north and south, from the 15th through the 17th centuries, with an emphasis upon the greater names in the cycle. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

51. Survey of European Architecture. Mr. Miller. *3 credit hrs.*

A study of the development of architectural styles from the Early Christian period to modern times in Europe. Three hours of classroom work per week. *Elective for Juniors. First semester.*

52. Mediaeval Art. Mr. Miller. *3 credit hrs.*

A study of characteristic monuments from the Romanesque and Gothic periods in European history. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

53. Design Fundamentals. Mr. Darr. *3 credit hrs.*

A series of exercises in various materials to illuminate the nature of visual experience and the principles of its organization into meaningful expression. Six hours of studio work per week. *Elective for Juniors. First semester.*

79, 80. Special Studies for Students Majoring in Fine Arts. *4 credit hrs.*

French

Professors Atkinson, French, Funnell, and Turgeon;* Mr. Giordanetti. Assistants: Mrs. Kulstein, Messrs. Fourniols, Moleins, Robart and Roos.

Note: Major with Honors. The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development

* *Absent on leave second semester.*

of French literature since the end of the Middle Ages. Candidates will normally take courses numbered 7 or 8, 10, 43, 44, 45, 46, 79, 80. All course elections must be made in consultation with a representative of the Department, and the course program may be adjusted in special cases. No thesis is required, but the work of courses 79 and 80 will include several written papers. At the end of the final semester each candidate will take two three-hour examinations, one consisting mainly of essay questions (to one of which the answer must be written in French), the other involving critical interpretation of text. Recommendations for the various grades of the degree with honors will be made on the basis of (1) the honors examinations, (2) the student's work in courses 79 and 80, (3) his general average in all his work in the Department.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting those of courses 1 and 3. Six of these credits may be in approved courses outside the Department.

Combined major in two languages. For a student whose primary language is French, the major must include twenty credit hours in French, not counting courses 1, 3, 5; in the second language it must include ten credit hours of which at least three must deal with literature.

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year: Any course or combination of courses giving four credit hours numbered above 5, except French 10, 21 and 22.

1. Elementary Course. *4 credit hrs.*

Professor Turgeon and Assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. Intermediate Course. *4 credit hrs.*

Professor French, Mr. Giordanetti and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

3S. Intermediate Course. *4 credit hrs.*

Mr. Giordanetti and Assistants.

Same description as above. *Elective for Freshmen. Second semester.*

5. Advanced Course. *4 credit hrs.*

Professor Turgeon, Mr. Giordanetti and Assistants.

The purpose of this course is to complete the student's training in fluent

reading and in oral comprehension. Reading of significant fiction and plays from the modern period. Three hours per week in class and three hours per week in small sections for oral and aural drill. For those whose linguistic preparation is sufficient, there will be a special section in which more stress will be put on the reading as literature. Conducted as far as possible in French. *Elective for Freshmen. First semester.*

5S. Advanced Course. Professor French and Assistants. *4 credit hrs.*

Same description as above. *Elective for Freshmen. Second semester.*

7. Introduction to French Literature Before the Revolution. Professor Funnell. *4 credit hrs.*

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

8. Introduction to French Literature Since the Revolution. Professor Funnell. *4 credit hrs.*

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

10. Advanced Composition and Conversation. *4 credit hrs.*
Mr. Giordanetti and Assistants.

Practice in free composition and in set translation into French; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of French for further study or for teaching the language. Three hours per week of composition and two hours per week of conversation. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

17. Readings in the French Novel. Mr. Giordanetti *3 credit hrs.*

The reading will include at least one novel each by Balzac, Stendhal and Flaubert, with others, as time permits, chosen from the eighteenth and later nineteenth centuries. This course will be conducted partially in French. Requisite: satisfaction of the reading requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

18. French Drama of the 18th and 19th Centuries. *3 credit hrs.*
Professor Atkinson.

The reading will include plays by Lesage, Marivaux and Beaumarchais, followed by a number of representative plays of the nineteenth century. This course will be conducted partially in French. Requisite: satisfaction of the reading requirement. Three hours of classroom work per week. *Elective for Freshmen. Second semester.*

21, 22. Reading Course. Professor Atkinson. *4 credit hrs.*

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

25S. French Lyric Poetry. Professor Funnell. *2 credit hrs.*

Medieval lyrics; poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores. Second semester.*

27S. Readings in the Twentieth Century Novel. *3 credit hrs.*
Mr. Giordanetti.

Readings from the novels of such authors as Colette, Romains, Mauriac, Malraux, Sartre and others, but excluding Gide and Proust. The course will be conducted partially in French. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. Second semester.*

29. French Drama since 1890. Professor Turgeon. *3 credit hrs.*

A survey of the principal trends in the modern theater with extensive readings from such authors as Rostand, Mirbeau, Brieux, Claudel, Pagnol, Romains, Giraudoux, Anouilh, and Sartre. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester in alternate years.*

41. Special Topics in French Literature. *1–3 credit hrs.*
The Department.

In this course a student will work individually with one member of the department on an approved subject. In general authors dealt with in other advanced courses in French will not be approved for work in this course. Some possible subjects are: medieval literature, Rabelais, Montaigne, Pascal, Diderot; others may be discussed. The amount of credit to be given for the work will be settled in advance in consultation between the student and the department. Requisite: French 7 or 8, and consultation with, and the approval of, the department. *Elective for Juniors. First semester.*

42. Special Topics in French Literature. *1–3 credit hrs.*
The Department.

Description and requisites as for course 41. *Elective for Juniors. Second semester.*

43. French Classic Tragedy—Corneille and Racine. *4 credit hrs.*
Professor Turgeon.

A study will be made of the history of the French theater in the seven-

teenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester.* (*Omitted 1955–56.*)

44. French Classic Comedy—Molière. Professor Turgeon. *4 credit hrs.*

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester.* (*Omitted 1955–56.*)

45. Voltaire. Professor Atkinson. *4 credit hrs.*

Voltaire and some of his contemporaries of 1715–1750. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester in alternate years.*

46. Rousseau. Professor Atkinson. *4 credit hrs.*

Rousseau and some of his contemporaries of 1750–1789. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester in alternate years.*

48. Poetry since Baudelaire. Professor Funnell. *2 credit hrs.*

Baudelaire, the Symbolists, a few prominent poets of the twentieth century. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester.* (*Omitted 1955–56.*)

51. André Gide. Professor Funnell. *1 credit hr.*

Requisite: French 7 or 8. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester.* (*Omitted 1955–56.*)

53. Marcel Proust. Professor Funnell. *1 credit hr.*

Requisite: French 7 or 8. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester.*

79. Conference Course for Seniors. *4 credit hrs.*

First semester.

80. Conference Course for Seniors. *4 credit hrs.*

Second semester.

Geology

Professor Bain; Mr. Brophy, Mr. Banks

Note: A major in geology consists of twelve semester hours in related subjects approved by the Department and twenty semester hours in geology which are divided into three blocks and arranged to make a sequence. Eight semester hours of either Science 23 or Geology 21, and Geology 22, are fundamental. An additional 8 semester hours in geological subjects are essential to progress in an advanced field of Geology. Four semester hours in an advanced field are required for a sequence. Science 21 and either Science 22 or Science 24 are considered related subjects. Other related courses will be from that field of biology, chemistry, economics, mathematics or physics, advantageous to satisfactory progress in the advanced field selected for a major study.

The Department offers five sequences leading to a major in Geology. The sequences, and appropriate advanced subjects, are mineral studies (45), structural geology (79), geology of sedimentary rocks (44), geography of material resources (46) and paleontology (49 or 56).

A student may declare his intention to major at any time up to the end of his sixth semester. At that time he should have completed, or have arranged to complete, courses which will enable him to examine independently most problems in the field of his sequence.

Candidates for the degree with honors must have completed a sequence by the end of their seventh semester, except in the instance of the geography sequence, and undertake a program of individual study as part of Geology 80. Geology 46 may be taken concurrently with Geology 80 for students electing the geography sequence.

Attention of students, intending to proceed to graduate school, is drawn to the requirements by many institutions that an applicant take the graduate record examination and that the candidate for an advanced degree have a reading knowledge of French and German. A thorough knowledge of Geology 21-22, 23-24 will afford coverage for 85% of the graduate record examination, and should be completed with a grade of B before applying to take this test.

21. Principles of Geology. The Staff. *4 credit hrs.*

An introductory study of processes modifying the surface form and internal structure of the earth, the historical development of the science, and the historical evolution of land areas and life. Four hours classroom and two hours laboratory work per week. Laboratory will be held in the field when weather permits. *Elective for sophomores. First semester.*

21S. Principles of Geology. The Staff. *4 credit hrs.*

Same as 21. *Elective for Sophomores. Second semester.*

22. Historical Geology. Mr. Banks. *4 credit hrs.*

The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21 or Science 23. *Elective for Sophomores. Second semester.*

23. Mineralogy. Mr. Brophy. *4 credit hrs.*

A study of recognition, formation, occurrence, and use of crystals and minerals, and an introduction to the nature of crystalline matter. Three hours classroom and four hours laboratory work per week. *Elective for Sophomores. First semester.*

24. Petrology. Mr. Brophy. *4 credit hrs.*

A study of the natural history of rocks and their identification. Three hours classroom and four hours laboratory work per week. Requisite: Geology 21 or equivalent, Geology 23. *Elective for Sophomores. Second semester.*

26. Regional Geology and Geography of the Americas. *2 credit hrs.*
Professor Bain.

A study of the development of the principal features in scenery, the rocks, the climate and human activities in the Americas and the surrounding oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21 or Science 23. *Elective for Sophomores. Second semester.*

28. Regional Geology and Geography of the Eastern Hemisphere.
Professor Bain. *2 credit hrs.*

A study of the development of the principal features in scenery, the rocks, the climate and human activities in the eastern hemisphere and occluded oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21 or Science 23. (Students may elect either Geology 26, or 28, or both.) *Elective for Sophomores. Second Semester.*

44. Sedimentology. *4 credit hrs.*

A study of the features of modern sediments and the interpretation of sedimentary rocks. The occurrence of resources in stratified rocks, including fuels, fertilizers, and building materials. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22 and 23. *Elective for Juniors. Second semester. (Omitted 1955–56.)*

45. Mineral Deposits. Professor Bain and Mr. Brophy. *4 credit hrs.*

A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three classroom hours and four

laboratory hours per week. Requisite: Geology 23, 24. *Elective for Juniors. First semester.*

46. World Resources. Professor Bain. *4 credit hrs.*

An investigation into supplies of materials from the earth available to man and the average requirement per person for each. Land acreage, water power, and mineral resources are studied in detail. Given in alternate years. Three hours classroom, one discussion period, and two hours laboratory work per week. Requisite: Geology 22 or 26. *Elective for Juniors. Second semester. (Omitted 1955–56.)*

49. Invertebrate Paleontology. Mr. Banks *4 credit hrs.*

The identification, interrelationships, occurrence, and uses of fossil invertebrate animals and plants. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.*

56S. Vertebrate Paleontology. Professor Wood. *4 credit hrs.*

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Biology 56.) Requisite: Geology 22 or Biology 41. *Elective for Juniors. First semester.*

79, 80. Conference Course. The Staff. *6 credit hrs.*

Special investigation of one or more topics in mineral deposits, structural geology, sedimentology, paleontology, or world resources. Two or more hours conference per week and laboratory work as required. Requisite: The background courses in the Department. *Elective for Seniors.*

German

Professor Scenna; Associate Professor Peppard; Mr. Tapp
Assistants: Mrs. Breusch; Messrs. Reichel and Waller.

Note: The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7, 21, 22, 27, 28, 31, 32, 33.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting those of courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

Honors: The aim of honors work in German is to offer the candidate the opportunity

a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work;

b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay;
c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 27, 43, 44, 79, 80. They are urged to study one ancient or other modern foreign language.

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1. Elementary Course. Professors Scenna and Peppard. *4 credit hrs.*

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. Intermediate Course. Mr. Tapp. *4 credit hrs.*

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. Intermediate Course. Mr. Tapp. *4 credit hrs.*

Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshmen. Second semester.*

5. Advanced Course. Professor Scenna. *4 credit hrs.*

Reading and analysis of selected texts. This course will meet three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on

the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

Note: Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training.

5S. Advanced Course. Professor Scenna. *4 credit hrs.*

Same description as above. Requisite: German 3 or its equivalent. *Elective for Freshmen. Second semester.*

7. Introduction to German Literature. *4 credit hrs.*
Professor Peppard.

Reading and discussion of selected literary texts. This course will be conducted as far as possible in German. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

7S. Introduction to German Literature. *4 credit hrs.*
Professor Peppard.

Same description as above. Requisite: Satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. Faust. Professor Scenna. *2 credit hrs.*

Faust, Part I. Study of the Faust legend and assigned readings. Requisite: German 7 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

22S. Faust. Professor Scenna. *2 credit hrs.*

Faust, Part II. Study of the Faust legend and assigned readings. Requisite: German 21 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

22. Faust. Professor Scenna. *2 credit hrs.*

Same description as above. *Elective for Sophomores. Second semester.*

23. Advanced Composition and Conversation. *4 credit hrs.*
Professor Peppard.

Practice in free composition and set translation into German; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of German for further study or for teaching the language. Offered every other year. Requisite: The consent of the instructor. *Elective for Sophomores. First semester.*

25, 26. Reading Course. Mr. Tapp. *4 credit hrs.*

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

27. The Age of Goethe. Professor Scenna. *4 credit hrs.*

A study of the development of German literature, particularly as reflected in the works of Goethe, excluding *Faust.* Selected readings in other authors of the period. Lectures, essays and assigned readings. Requisite: German 7 or the consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester.* (*Omitted 1955–56.*)

28. Advanced Readings in German Literature. *3 credit hrs.*
Professor Peppard.

The content of this course will be determined each year by the instructor in charge. For 1955–56: German literature of the twentieth century, with some attention to the relation of literature to the national scene. Requisite: German 7, or consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

31. Rainer Maria Rilke. Professor Peppard. *1 credit hr.*

A study of Rilke as a German poet and European man of letters. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First semester.*

32. Thomas Mann. Professor Scenna. *1 credit hr.*

An introduction to the shorter works of Thomas Mann and a study of his place in modern letters. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

33. Franz Kafka. Professor Peppard. *1 credit hr.*

A study of Kafka and his place in European literature. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First Semester.*

42. German Literature of the Nineteenth Century. *4 credit hrs.*
Professor Scenna.

Major developments in German prose, poetry and drama since the age of Goethe, with some attention to the contemporary literary scene. Readings, reports and discussions. Requisite: German 21, or German 27, or the

consent of the instructor. One seminar meeting per week, together with individual conferences. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

43. Studies in German Culture I. Professor Scenna. *4 credit hrs.*

Assignment of individual problems or readings in fields of special interest. Requisite: German 22 or the consent of the instructor. *Elective for Seniors. First semester.*

44. Studies in German Culture II. Professor Scenna. *4 credit hrs.*

Assignment of individual problems or readings in fields of special interest. Requisite: German 22, or German 43, or the consent of the instructor. *Elective for Seniors. Second semester.*

79–80. Honors Course for Seniors. The Department. *6 credit hrs.*

History

Professors Havighurst, McKay, Rozwenc, and Salmon;
Assistant Professors Douglas, Greene, and Halsted;
Messrs. Kulstein, Monas, Russell, and Sedelow.

Note: A major in history will consist of six semester courses in history in addition to the required sequence courses (History 1–2 and American Studies 21–22) of the freshman and sophomore years.

Candidates for honors in history must take, in addition to the social science sequences of the freshman and sophomore years, six semester courses in the Department. These courses will include the conference courses in Junior Honors and Senior Honors. Those concentrating in the American field may pursue a major in American Studies, or they may follow a program of study under the direction of the History Department. In the junior year candidates will take one written and one oral examination and in the senior year two written examinations and one oral. Emphasis is placed on individual work by the students in the presentation of seminar reports and in the writing of an honors thesis in the second semester of senior year.

History 23–24 will satisfy the Sophomore Humanities Sequence.

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1. The Development of Western Civilization: A Survey of European History and an Introduction to the Social Studies. *4 credit hrs.*

Professors Salmon, Douglas and Halsted; Messrs. Kulstein, Monas, Russell, and Sedelow.

Lectures, 3 hours; section meetings, 1 hour. *Required for Freshmen. First semester.*

2. The Development of Western Civilization: A Survey of European History and an Introduction to the Social Studies. *4 credit hrs.*
Professors Salmon, Douglas and Halsted; Messrs. Kulstein, Monas, Russell, and Sedelow.

Lectures, 3 hours; section meetings, 1 hour. Requisite: History 1. *Required for Freshmen. Second semester.*

21. Latin America. Professor Salmon. *3 credit hrs.*

The colonial history of Latin America from the period of discovery through the Wars of Independence, with a survey of Indian and Iberian backgrounds, cultural and political. Three hours of classroom work per week. *Elective for Sophomores. First semester.* (*Omitted 1955–56.*)

22. Latin America. Professor Salmon. *3 credit hrs.*

The national history of the Latin American states from Independence to the present, with attention to economic and international problems as well as national political development. Three hours of classroom work per week. *Elective for Sophomores. Second semester.* (*Omitted 1955–56.*)

23. Classical Civilization. Professor Moore. *3 credit hrs.*

(Same course as Classics 23.) *Elective for Sophomores. First semester.* (*Omitted 1955–56.*)

24. Classical Civilization. Professor Clausen. *3 credit hrs.*

(Same course as Classics 24.) *Elective for Sophomores. Second semester.*

25. Medieval Europe. Professor Havighurst. *3 credit hrs.*

A study of institutional and intellectual developments in Europe from the end of the Roman Empire through the fifteenth century, with special attention to the medieval heritage. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. Medieval Europe. Professor Havighurst. *3 credit hrs.*

A continuation of History 25. Requisite: History 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

27. English History: Tudors and Stuarts. *3 credit hrs.*
Professor Havighurst.

Political and social history of England from 1485 to 1714. Three hours of classroom work per week. *Elective for Sophomores. First semester.* (*Omitted 1955–56.*)

28. Modern England. Professor Havighurst. *3 credit hrs.*

Political and social history of England and the British Empire from 1714 to the present. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. Russia. Professor Salmon. *3 credit hrs.*

General history of Russia and the Slavs, with emphasis upon recent political and economic development. *Elective for Juniors. First semester.*

42. Russia. Professor Salmon. *3 credit hrs.*

A continuation of History 41. *Elective for Juniors. Second semester.*

43. Europe in the Nineteenth Century. Professor Halsted. *4 credit hrs.*

Society and ideas in Europe, 1815–1850; an analysis of selected topics, such as Utilitarianism, Hegelianism, Romanticism, and Nationalism. *Elective for Juniors. First semester.*

44. Europe in the Nineteenth Century. Professor Halsted. *4 credit hrs.*

A continuation of History 43. Analysis of such topics as Darwinism, Socialism, and Imperialism. *Elective for Juniors. Second semester.*

45. The Far East: China and Japan. Mr. Russell. *4 credit hrs.*

An examination of the social and cultural development of China and Japan from antiquity through the 17th century. Political structure will be dealt with as growing out of the civilization of these areas. Four hours of classroom work per week. *Elective for Juniors. First semester.*

46. The Far East. China and Japan. Mr. Russell. *4 credit hrs.*

A continuation of History 45 up to World War II, with special emphasis on the impact of the West on China and Japan. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

47. Seventeenth Century Europe. Mr. Sedelow. *4 credit hrs.*

The social organization, culture, and politics of Europe in the 17th century, with special reference to the social context of science, and developing forms of governmental and military organization. *Elective for Juniors. First semester.*

48. Age of the Enlightenment. Mr. Sedelow. *4 credit hrs.*

Eighteenth century Europe prior to the French Revolution, with special reference to the Rational spirit in social and economic thought, the State-system, and the pre-Industrialized European economy. *Elective for Juniors. Second semester.*

49. Two World Wars. *4 credit hrs.*

Three hours of classroom work. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

50. Two World Wars. *4 credit hrs.*

Elective for Juniors. Second semester. (*Omitted 1955–56.*)

53. Social and Intellectual History of the United States. Professor Rozwenc. *4 credit hrs.*

The development of American life from the colonial period to the present day with emphasis upon economic influences, racial contributions, religious and educational institutions, humanitarian movements and intellectual currents. Four hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

54. Social and Intellectual History of the United States. Professor Rozwenc. *4 credit hrs.*

Four hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

55. The French Revolution. Professor Salmon. *3 credit hrs.*

Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

56. The Age of Napoleon. Professor Salmon. *3 credit hrs.*

Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

57. History of Political Thought. Mr. Fenno. *4 credit hrs.*

(Same course as Political Science 57.) *Elective for Juniors. Limited to twenty-five students. First semester.*

59. American Political History. Professor Rozwenc. *4 credit hrs.*

This course will deal with the attempts by historians to work out patterns of interpretation for political periods before the Civil War. Four hours of classroom work per week. *Elective for Juniors. First semester.*

60. American Political History. Professor Rozwenc. *4 credit hrs.*

The same approach as in History 59 for political history since the Civil War. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

61. Foundations of American Civilization. Professor Greene. *4 credit hrs.*

An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy. Four hours of classroom work per week. *Elective for Juniors. First semester.*

62. American Diplomatic History. Professor Greene. *3 credit hrs.*

The history of American foreign policy from the American Revolution

to the present, with emphasis on the period since 1898. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

63. The Renaissance. Professor Douglas. *4 credit hrs.*

The emergence of Western Europe from feudalism in the period 1300–1500; manifestations of the Renaissance principally in the intellectual, social, economic, and artistic fields, with particular emphasis on Italy. Three hours of classroom work per week. *Elective for Juniors. First semester.*

64. The Reformation. Professor Douglas. *4 credit hrs.*

A study of the social, economic, and political changes in the sixteenth century and their relation to intellectual and religious development. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

65. Europe in the Twentieth Century. Professor McKay. *3 credit hrs.*

A study of the central historical currents of our age, with substantial introductory analysis of the background of the late nineteenth century. The course will emphasize social, economic, and intellectual factors, with recurrent attention to key figures. It will also assess relevant extra-European developments such as those in the United States and in the colonial empires. Three classroom hours a week. *Elective for Juniors. First semester.*

66. Westward Expansion of America. Professor Greene. *3 credit hrs.*

Through the history of America's westward expansion from the Revolution to the twentieth century this course will attempt to define what the frontier experience has meant to Americans in their political, economic, social, and literary development. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

67. Foundations of English Law and the Constitution. *4 credit hrs.*
Professor Havighurst.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

68. The History of France and Italy in the Nineteenth Century, 1815–1914. *3 credit hrs.*
Professor McKay.

A study of the interrelated political, economic, social, and intellectual factors in the evolution of French society after the Revolution, and in the Italian Risorgimento, defined in terms of its origins, 1815–1870, and results in the years 1870–1914. Significant parallels and interrelationships

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in the history of the two countries will be emphasized. Three classroom hours a week. *Elective for Juniors. Second semester.*

69. Conference Course. Junior Honors. The Department. *4 credit hrs.*

Elective for Juniors. First semester.

70. Conference Course. Junior Honors. *4 credit hrs.*

The Department.

Requisite: History 69. *Elective for Juniors. Second semester.*

79. Conference Course. Senior Honors. *6 credit hrs.*

The Department.

Elective for Seniors. First semester.

80. Conference Course. Senior Honors. *6 credit hrs.*

The Department.

Requisite: History 79. *Elective for Seniors. Second semester.*

Humanities

1. Humanities. *2 credit hrs.*

Professors Funnell (chairman), Lamprecht, Martin, and Sanders; Messrs. Gould, Kulstein, Miller, Monas, Moro, Robischon, Russell, Sedelow and Tapp.

A reading course: fairly rapid reading both for understanding and for enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature and to the Old Testament. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

2. Humanities. *2 credit hrs.*

Professors Funnell (chairman), Epstein, Halsted, Lamprecht, Martin and Sanders; Messrs. Gould, Kulstein, Monas, Moro, Robischon, Sedelow and Tapp.

A continuation of Humanities 1. The reading list for this semester includes in general works selected from the medieval, Renaissance and modern periods. Three hours per week. Requisite: Humanities 1. *Required for Freshmen. Second semester.*

21. An Introduction to Music, Fine Arts, and Drama. *4 credit hrs.*

A consideration of the vocabulary, methods, and materials of creative expression in music, fine arts, and drama. The conclusion of the course shows how the three arts reflect the ideals of nineteenth century impres-

sionism. This course is normally requisite for all other courses in dramatic arts and for several courses in fine arts and in music. Three hours of classroom and one hour of laboratory work per week. *Elective for Sophomores. First semester.* (*Omitted 1955–56.*)

22. An Introduction to Music, Fine Arts, and Drama. *4 credit hrs.*

A continuation of Humanities 21. The technical background acquired in Humanities 21 is used in a study of the arts in the Periclean Age, the Age of the Church, the Period of Humanism, the Nineteenth and Twentieth Centuries. Emphasis is placed on the integration of the arts and of the arts with their times. Requisite: Humanities 21. Three hours of classroom and one hour of laboratory work per week. *Elective for Sophomores. Second semester.* (*Omitted 1955–56.*)

Italian

Professor French

1. Elementary Course. Professor French. *4 credit hrs.*

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, three hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3S. Intermediate Course. Professor French. *4 credit hrs.*

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, two hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. Second semester.*

21. Readings in Italian Literature from Boccaccio to the Present. Professor French. *4 credit hrs.*

Reading of important works with special attention to the modern period. Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. Dante. Professor French. *4 credit hrs.*

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Requisite: Italian 21. Special reports and papers. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester.* (*Omitted 1955–56.*)

24. The Renaissance. Professor French. *4 credit hrs.*

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano* and Machiavelli's *Principe* with

a study of the social background of the fifteenth and sixteenth centuries in Italy. Special reports and papers. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester.*

Legal Studies

Professors HAVIGHURST, LATHAM, LOWENSTEIN and ZIEGLER.

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.*
Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Hughes, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.*

42. ADMINISTRATIVE LAW. Professor ZIEGLER. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. (Same course as Political Science 42.) Prerequisite: Political Science 25 or Political Science 41. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

44. INTERNATIONAL LAW. Professor ZIEGLER *4 credit hrs.*

The historical basis and present trends in the developnent of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1955–56.*)

67. Foundations of English Law and the Constitution. *4 credit hrs.*
Professor Havighurst.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy. (Same course as History 67.) Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

73–74. Introduction to Jurisprudence. *4 credit hrs.*
Professor Loewenstein.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. (Same course as Political Science 73–74.) One three-hour seminar each week. *Elective for Seniors.* (*Omitted 1955–56.*)

Mathematics

Professors Breusch, Brown* and Sprague;
Messrs. Hall and Willcox.

Note: A major in mathematics must elect 3, 23, 31, 32 and either 42 or 48 his senior year. All mathematics courses except 1–2 give major credit.

In addition to the general college requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the conference course, and in any additional courses prescribed by the Department. A thesis may be required.

The content of the conference course varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Classical Algebra, Algebraic Geometry, Differential Geometry and Topology.

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1. Same course as Science 1A, 1B. *4 credit hrs.*

2. Same course as Science 2A, 2B. *4 credit hrs.*

3. Calculus. Professor Sprague *4 credit hrs.*

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

* *Absent on leave first semester.*

3S. Calculus. Professor Sprague. *4 credit hrs.*

Same description as above. *Elective for Freshmen. Second semester.*

23S. Differential Equations. Mr. Hall. *4 credit hrs.*

Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

31. Advanced Calculus. Mr. Willcox. *4 credit hrs.*

Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

32. Advanced Calculus. Mr. Willcox. *4 credit hrs.*

Multiple integrals, line and surface integrals, transformation of integrals, Fourier series, complex functions. Requisite: Mathematics 31. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

42. Functions of a Complex Variable. Professor Breusch. *3 credit hrs.*

An introduction to analytic functions. Point sets, complex numbers, derivatives, conformal mapping, integrals. Cauchy's theorems, power series, singularities, Laurent series, analytic continuation, rational, entire, meromorphic and multiple-valued functions, Riemann surfaces. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. Will be given in 1956–1957.*

43. Theory of Numbers. *3 credit hrs.*

An introduction to the theory of rational integers. Divisibility, prime numbers, the unique factorization theorem, congruences, quadratic residues, Fermat's theorem, Diophantine equations. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years. Will be given in 1956–57.*

44. Modern Mathematics. Professor Brown. *3 credit hrs.*

A few simple mathematical systems of current interest will be constructed and studied. An exercise in the postulational method. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

46S. Theory of Equations. Mr. Hall. *3 credit hrs.*

Polynomials, the division transformation, Euclid's algorithm, Horner's

method, Sturm functions, solution of the cubic and quartic equations, mathematical induction, complex numbers, determinants, symmetric functions, the resultant, introduction to matrices. Requisite: Mathematics 3 or its equivalent. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years. Will be given in 1955–56.*

48. Differential Geometry. Professor Sprague. *3 credit hrs.*

An introduction to the differential geometry of curves and surfaces; curvature, torsion, Frenet formulae; curvilinear coordinates, first and second fundamental form, surface curvature, lines of curvature, geodesics, fundamental equations. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. Will be given in 1955–56.*

79. Conference Course. Professor Breusch. *6 credit hrs.*

Elective for Seniors. First semester.

80. Conference Course. Professor Breusch. *6 credit hrs.*

Elective for Seniors. Second semester.

Music

Professors Mishkin and V. Morgan; Mr. Ludington

Note: There are two programs available for students majoring in music.

1. The music major which does not include applied music consists of five required semester courses and four other semester courses offered by the Department. The required courses are: Music 25 (or Music 21–22), Music 23–24, and Music 41–42.

2. Since a minimum of four semester courses in applied music is expected, a music major which includes applied music will consist of ten rather than the usual nine semester courses. The following courses are all required: Music 25 (or Music 21–22), Music 23–24, Music 41–42, and two years of Music 29–30.

An individual program will be arranged for each candidate for the degree with honors in music at the beginning of junior year. Concentration may be in advanced theory, music history, or applied music. All honors candidates must elect Music 79–80 and, late in the final semester of senior year, they will be required to take a comprehensive oral examination. Other examinations, essays or recitals will be arranged according to the individual's program.

Music 25 or Music 25S may be used in satisfaction of the Sophomore humanities requirement.

21. Same course as Humanities 21. (*Omitted 1955–56.*) *4 credit hrs.*

22. Same course as Humanities 22. (*Omitted 1955–56.*) *4 credit hrs.*

23. Elementary Theory. Professor Mishkin. *4 credit hrs.*

A study of the rhythmic, melodic, and harmonic organization of musical tones with emphasis on the harmonic idiom of the eighteenth century. Triads and their inversions, non-harmonic tones, writing in the style of the Bach chorales, analysis, ear training. Limited to fifteen students. Requisite: Ability to play all written work. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. Elementary Theory. Professor Mishkin. *4 credit hrs.*

A continuation of Music 23. Seventh chords, secondary dominants, elementary phrase construction. Limited to fifteen students. Requisite: Music 23. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

25 and 25S. An Introduction to Musical Literature. *3 credit hrs.*
Professor V. Morgan

Western music from 1000 A.D. to the present time with emphasis on the eighteenth and nineteenth centuries. No previous study of music is required. *Elective for Sophomores. First and second semesters.*

29. Applied Music. *3 credit hrs.*

Courses are offered in the following branches of applied music: piano, organ, voice, violin, viola, violoncello. These courses may be elected by a limited number of students who satisfy the department, at an audition, that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as freshmen or sophomores and to continue this study for two years. During the first two years of study three credit hours will be granted for each semester. Under exceptional circumstances a student may, with permission of the Dean, elect a third year for which there will be two credit hours per semester. No credit is granted for a single semester of applied music.

Students of keyboard and string instruments have one hour of private instruction per week and are required (a) to practice a minimum of nine hours per week, and (b) to elect in sophomore or junior year one other course offered by the department. In addition keyboard students are required to participate in a weekly session of ensemble playing, and string students to attend the weekly rehearsal of the Smith College Orchestra.

Students of voice have one hour of private instruction per week and are required (a) to practice a minimum of eight hours per week, (b) to sing with the glee club and (c) to elect in sophomore or junior year one other course offered by the department.

Private instruction will be given by the College Organist and members of the Department of Music of Smith College. A fee of $75 per semester

will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of the Department. First semester.*

30. Applied Music. *3 credit hrs.*

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of the Department. Second semester.*

41. Symphonic Music. Professor V. Morgan. *3 credit hrs.*

The development of orchestral literature from Haydn through Brahms; the symphony, concerto, and symphonic poem. Requisite: Music 25 (or Music 21) or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

42. Music Since 1900. Mr. Ludington. *3 credit hrs.*

Modern music in Europe and the United States from Debussy to Stravinsky. Requisite: Music 25 (or Music 21) or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

43. Choral Music. Mr. Ludington. *3 credit hrs.*

The development of choral composition from Plainsong to the contemporary idioms with emphasis on Bach, Handel and Beethoven. Requisite: Music 25 (or Music 21) or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. Beethoven. Professor V. Morgan. *3 credit hrs.*

A study of the piano, chamber, and orchestral music. Requisite: Music 25 (or Music 21) or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years.* (*Omitted 1956–57.*)

45. Bach. Professor Mishkin. *3 credit hrs.*

The Bach style studied in relation to the development of music from 1600. Requisite: Music 25 (or Music 21) or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester in alternate years.*

46S. The Opera. Professor V. Morgan. *3 credit hrs.*

The development of the musical drama with emphasis on a detailed study of operatic types. Representative works by Mozart, Verdi, and Wagner. Requisite: Music 25 (or Music 21) or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years. First semester, 1955–56.*

47. Chromatic Harmony and Analysis. Professor Mishkin. *3 credit hrs.*

A continuation of Music 23–24 with emphasis on the harmonic idioms of the nineteenth and twentieth centuries. Composition in the smaller forms. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. Tonal Counterpoint. Professor Mishkin. *3 credit hrs.*

Contrapuntal technique of the eighteenth century, invertible counterpoint, canon, and two part inventions. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

51. Music in the Elizabethan Age. Professor Mishkin. *2 credit hrs.*

Music in sixteenth century England and its relation to the cultural and social life of the times. No technical knowledge of music is presupposed. Two hours of classroom work per week. *Elective for Juniors. First semester in alternate years.* (*Omitted 1955–56.*)

79. Conference Course. The Department. *6 credit hrs.*

Studies in history or advanced theory. *Elective for qualified seniors. First semester.*

80. Conference Course. The Department. *6 credit hrs.*

A continuation of Music 79. *Elective for qualified seniors. Second semester.*

Philosophy

Professors Kennedy and Lamprecht; Visiting Associate Professor Shute; Assistant Professor Epstein; Mr. Robischon.

Note: The courses open to Sophomores: Introduction to Philosophical Literature, Ethics, and Logic, may count towards a major in Philosophy. All majors in Philosophy are required to take Philosophy 43 and 44.

Candidates for the degree with honors in Philosophy are required to take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, early in May of senior year, two written and one oral examinations. One written examination will be on the general history of European and American Philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department—metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of

the Philosophy and affiliated Departments. Recommendation for the various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in the following combined fields:

Philosophy and Classics
Philosophy and English
Philosophy and History
Philosophy and Political Science
Philosophy and Psychology
Philosophy and Religion

The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved by representatives of the two departments concerned. Recommendation for the various degrees with honors will be made by committees composed of members of the two departments concerned.

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21. Introduction to Philosophical Literature. *4 credit hrs.*
Professor Lamprecht and Mr. Robischon.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Four class hours per week. *Elective for Sophomores. First semester.*

21S. Introduction to Philosophical Literature. *4 credit hrs.*
Professor Epstein and Mr. Robischon.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Four class hours per week. *Elective for Sophomores. Second semester.*

23. Logic and Scientific Method. Professor Epstein. *3 credit hrs.*

The basic character of scientific knowledge; the fundamental principles of inference operative in experimental inquiry; an introductory discussion of representative philosophical interpretations of the foundations of science. Material taken from the physical, biological and social sciences will be treated from the standpoint of three main topics: (1) Concept formation and formulation of hypotheses, (2) Formal logic and the deductive development of theories, (3) Statistical inference and the verification

of hypotheses. (No previous training in the sciences or philosophy is presupposed.) Three class hours per week. *Elective for Sophomores. First semester.*

24. Ethics. Professor Shute. *3 credit hrs.*

The bases of morality; theory of the moral life; moral issues involved in social problems. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

26. Types of Logical Theory. Professor Epstein. *2 credit hrs.*

A comparative study of the significance for methodology and the theory of knowledge of different types of logical system, together with a critical evaluation of the associated concepts of proof. Two class hours per week. Requisite: Philosophy 23 or consent of the instructor. *Elective for Sophomores. Second semester.* (*Omitted 1955–56.*)

41. Philosophy of Education. Professor Kennedy. *3 credit hrs.*

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. Given in alternate years. *Elective for Juniors. First semester.* (*Omitted 1955–56.*)

43. History of Ancient and Medieval Philosophy. *4 credit hrs.*
Professor Lamprecht.

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, and the formation of Christian thought. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. First semester.*

44. History of Modern Philosophy. Professor Lamprecht. *4 credit hrs.*

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Locke, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. Second semester.*

45. Philosophy of Religion. Professor Martin. *3 credit hrs.*

(Same course as Religion 45.) An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. *Elective for Juniors. First semester.*

47. American Philosophy. Professor Epstein. *3 credit hrs.*

A study of the modern period in American thought. Reading and dis-

cussion of works by Peirce, Royce, James, Santayana, Veblen and Dewey. Three class hours per week. *Elective for Juniors. First semester.*

49. Contemporary Religious Thought. Professor Martin. *3 credit hrs.*
(Same course as Religion 49.) *Elective for Juniors. First semester. (Omitted 1955–56.)*

71. Representative Philosophers. Professor Kennedy. *4 credit hrs.*
A critical study of certain writings by the English empiricists. Requisite: A grade of B in two semester courses in philosophy. One two-hour period per week. *Elective for Seniors. First semester.*

72. Representative Philosophers. Professor Epstein. *4 credit hrs.*
A critical study of not more than three recent philosophers concerned with the foundations of science. Requisite: A grade of B in two semester courses in philosophy. Two class hours per week. *Elective for Seniors; limited to fifteen students. Second semester.*

74. Metaphysics. Professor Lamprecht. *1 credit hr.*
A systematic treatment of fundamental concepts for a theory of nature. This treatment will not be made for historical purposes but will presuppose knowledge of the major figures in the history of ideas. Requisite: Three semesters of philosophy, including Philosophy 43 and Philosophy 44, or the consent of the instructor. One class hour per week. *Elective for Seniors. Second semester.*

79. Conference Course. The Department. *4–8 credit hrs.*
Required of candidates for honors in philosophy. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors. First semester.*

80. Conference Course. The Department. *4–8 credit hrs.*
Required of candidates for honors in philosophy. *Elective for Seniors. Second semester.*

Physical Education

Professors Eckley, Lumley, Marsh, and Richardson; Associate Professors McCabe, McLaughry, Rostas and Wilson; Assistant Professors Dunbar, and Gowen; Messrs. Campney and Van Petersilge.

Complete physical examination, physical fitness tests, special exercises for remedial defects, and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

Physics

Professors Arons and Soller; Associate Professor Benson;
Assistant Professors Nicol and Towne; Mr. Romer.

The minimum course requirements for a major in physics are as follows: Physics 22, 51, 52, 53, 54, Math 31, with additional physics courses, and either Math 23 or 32 making up the balance of the 30 hours required for any major.

A major with honors will require the first six courses listed above, plus Physics 75, 76, 79, 80.

It is practically imperative that a student who wishes to do graduate work in physics take courses Physics 51, 52, 53, and 54 in his Junior year, and Physics 75 and 76 in his Senior year, even though the latter two courses are not formally required for the major.

The aim of honors work in physics is to provide an opportunity for the student to develop his ability and interest in individual investigation, and his skill in experimental techniques. Any student who intends to do graduate work in physics should register for honors work, but the honors program is available to other qualified students as well.

The honors project consists of independent work, under faculty direction, on some experimental or theoretical problem mutually acceptable to both the student and staff. Experimental equipment is available for work in some phases of magnetism, acoustics, ultrasonics, optics, electronics, mass spectrometry, and nuclear- and low-temperature physics. The student is given facilities to review the literature in the field, to design, construct and assemble his experimental equipment, and to make observations. During the spring, he is required to present his work in the Physics Seminar, and to prepare a thesis, which is due on May 15th.

In addition, the honors student is required to take comprehensive examinations, two written and one oral. The first written examination is given at the end of the first semester of the senior year and is designed to test his grasp of fundamental physical principles. The student's achievement on this examination, together with his progress on his honors problem, will determine the advisability of his continuing the honors program. The purpose of the second written examination, which is given during the latter part of May, is to test the student's comprehension of the basic ideas and methods of the more advanced phases of physics. The oral examination with the department is usually primarily on the thesis and allied topics.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive examinations.

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1. Same course as Science 1. *4 credit hrs.*

2. Same course as Science 2. *4 credit hrs.*

22. Introductory Course. Professors Benson and Nicol. *4 credit hrs.*

A course which takes up various blocks of subject matter and essential physical concepts not covered in Science 1, 2. Required for most science majors and all pre-medical students. Mechanics, fluids, thermodynamics, electricity, optics. Emphasis on use of mathematics and solution of problems. Four hours of lectures and class discussions and one laboratory period per week. Requisite: Science 1, 2. *Elective for Sophomores. Second semester.*

22S. Introductory Course. Professors Benson and Nicol. *4 credit hrs.*

Same Course as 22. *Elective for Sophomores. First Semester.*

51. Mechanics. Professor Benson. *3 credit hrs.*

Newtonian dynamics and statics of particles and rigid bodies from a vector point of view. Special emphasis is placed upon a thorough treatment of periodic motion. Three hours of lectures and discussions per week. Requisite: Physics 22, Mathematics 3. (Mathematics 31 is desirable concurrently). *Elective for Juniors. First semester.*

52. Wave Phenomena. Professors Benson and Towne. *4 credit hrs.*

General characteristics of wave motion—the wave equation, energy relationships, diffraction, interference, reflection, refraction and polarization. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. Four hours of lectures and problems and one laboratory period per week. Requisite: Physics 51. *Elective for Juniors. Second semester.*

53. Electricity and Magnetism I. Professor Soller. *4 credit hrs.*

Fundamentals of electrical and magnetic measurements, and fundamental direct- and alternating-current theory, including bridge methods and coupled circuits. Three hours of lectures and discussion, and one laboratory period per week. Requisite: Physics 22, Math 3, and concurrent registration in Physics 51, except by special permission of the instructor. *Elective for Juniors. First semester.*

54. Electricity and Magnetism II. Professor Benson. *3 credit hrs.*

Introduction to electromagnetic theory, employing vector method, throughout. Potential theory, electrostatics, electric currents, magnetisms induced emfs, Maxwell's equations, electromagnetic waves, and Poynting's theorem. Three hours of lectures and discussions per week. Requisite: Physics 51, 53, Mathematics 31, 32 (concurrent). *Elective for Juniors. Second Semester.*

56. Electronics. Professor Soller. *3 credit hrs.*

Characteristics of vacuum and gas filled thermionic tubes, and their application in a variety of circuits, with emphasis on circuits which are important in scientific work, rather than in communication. Two lectures or discussions, and one laboratory period per week. Enrollment in course limited. Requisite: Physics 53 and the consent of the instructor. *Elective for Juniors. Second semester.*

73. Theoretical Physics. Professor Towne. *4 credit hrs.*

Advanced dynamics and quantum mechanics. Lagrangian and Hamiltonian formulations of classical mechanics. Hamilton-Jacobi Theory. Solution of the Schrodinger wave-equation for simple systems, with emphasis upon interpretation of the results. Four hours of lectures or seminars per week. Requisite: Physics 51 and the consent of the instructor. *Elective for Seniors. First semester.*

75. Thermodynamics. Professor Nicol. *4 credit hrs.*

Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. First and Second Laws with applications to one component systems. Thermodynamic functions as criteria of equilibrium. Interpretation of thermodynamic laws and functions in terms of the behavior of aggregations of atoms and molecules. Requisite: Physics 52, 54. *Elective for Seniors. First semester.*

76. Modern Physics. Mr. Romer. *4 credit hrs.*

The growth of modern views of space, time, matter and radiation. Special theory of relativity, structure of the atom, wave-particle duality of radiation and matter and the evolution of quantum mechanics, nuclear phenomena. The limitations of the classical theories of mechanics and electromagnetism are discussed and emphasis is placed upon the theoretical concepts and models invoked to describe and correlate the experimental observations. Requisites: Physics 52 and 54. *Elective for Seniors. Second semester.*

77. Advanced Laboratory. Mr. Romer. *2 credit hrs.*

An introduction to various techniques and experiments which are basic to advanced work in experimental physics. One four hour laboratory period per week. *Elective for Senior physics majors. First semester.*

79–80. Honors Course. The Department. *6 credit hrs.*

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Requisite: At least four semester courses in physics beyond Science 1, 2; one other course in advanced physics to be taken concurrently. *Elective for Seniors. First and second semesters.*

Political Science

Professors LATHAM, LOEWENSTEIN, and ZIEGLER;
Messrs. FENNO and ROSENZWEIG.

Note: Beginning with the class of 1957, a major in political science consists of eight courses in political science. All majors are required to take 21 or 21S, Introduction to Political Science, and 31, American Government. For majors in the Department, 21 or 21S is a prerequisite or corequisite for all courses in the Department. In addition, the Department requires each major to take one of the courses in each of the following fields: Comparative Government, International Law and Relations, and Political Theory. Rite majors must take a seminar course in the Department in either their Junior or Senior year. Students not majors in the Department may take any course in the Department with the consent of the instructor.

The honors program is designed to provide students through advanced work in political science, with the full opportunity for independent research and writing. In addition to the courses prescribed for all majors, honors candidates are required to take 79 and 80, and to prepare a substantial thesis based upon independent research, upon which they will be examined orally. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their Senior year.

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21. INTRODUCTION TO POLITICAL SCIENCE. Professor LATHAM. *4 credit hrs.*

An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Four hours of classrom work a week. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO POLITICAL SCIENCE. Professor LATHAM. *4 credit hrs.*

Same description as above. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. Second semester.*

23. Elements of Modern Politics. Professor Loewenstein. *3 credit hrs.*

A systematic introduction to the understanding of the political process in the modern world and an analysis of the interrelationship of state, government, and people in the formation and exercise of political power. Three hours of classroom work per week. *Students enrolled in this course are required to take Political Science 35 (1 credit hr.). Elective for Sophomores. First semester. (Omitted 1955–56.)*

24. Patterns of Government. Professor Loewenstein. *4 credit hrs.*

A comparative study of the functions, techniques, and institutions of political society as reflected by the different forms of states and government, with special emphasis on the theory and practice of contemporary democratic and autocratic government. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. American Constitutional Development. *4 credit hrs.*
Professor Latham.

The development of American constitional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crises of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

27. Political Parties. Mr. Rosenzweig and the Department. *4 credit hrs.*

The role of the people, parties and pressure groups in the politics of American democracy. Special attention to: the basic features of American Political parties, with European comparisons and contrasts; the work of politicians, bosses and machines; the running of election campaigns; the character and behavior of the electorate; the competition for power among business, labor, agriculture, and the other major organized interests in the community. Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

29. International Politics. Professor Loewenstein. *3 credit hrs.*

A critical analysis of the forces and techniques engaged in the ideologi-

cal power conflict in the Mid-Twentieth century. The course will deal with the material and psychological elements of national power, the foreign policy of the Great Powers, the role of law, diplomacy and violence in present day world politics, and the prospects of peace or war in a bi-polarized world. Three hours of classroom work per week. Students enrolled in this course are required to enroll also in Political Science 35 as a fourth credit hour. *Given in alternate years. Elective for Sophomores. First semester.*

31. American Government. Professor Ziegler. *4 credit hrs.*

An introduction to the major problems of American democracy; their political, economic, and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

35. Issues of International Politics. Professor Loewenstein. *1 credit hr.*

An analysis of relevant topics and currents of contemporary international politics. The selection of the issues will be conditioned by their significance for the conflict between power politics and peaceful cooperation. Lectures and discussion. One hour of classroom work per week. *Elective for Juniors. The course may also be taken by Sophomores simultaneously enrolled in Political Science 23. First semester.*

41. The Administration of Public Policy. *4 credit hrs.*
Professor Latham.

An introduction to the problem of bureaucracy in modern government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; functions of the executive; the management of money and people; the formulation of policy; and the behavior of rival bureaucracies—private and public. Three hours of classroom work per week. *Elective for Juniors. Limited to twenty students. First semester.* (*Omitted 1955–56.*)

42. Administrative Law. Professor Ziegler. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial

responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three hours of classroom work per week. Prerequisite: Political Science 25 or Political Science 41. *Elective for Juniors. Limited to 25 students. Second semester.*

44. International Law. Professor Ziegler. *4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1955–56.)*

45. Comparative Political Institutions. *4 credit hrs.*
Professor Loewenstein.

A pragmatic approach to the causes and manifestations of the present world revolution, focusing on the political transformation under way in the various states and on the correlation of social structure and political organizations. Major attention will be paid to important political documents. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to fifteen students with the consent of the instructor. First semester.*

46. The Organization of the International Society. *4 credit hrs.*
Professor Loewenstein.

A study of the political, economic, and social forces shaping international relations and their attempted solutions through international organization, with special emphasis on the United Nations and other methods of international cooperation. The course will be geared as closely as possible to current developments on the international scene. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to twenty students. Second semester.*

48. Problems in Public Administration. Professor Latham. *4 credit hrs.*

Selected topics in the politics of public administration. One two-hour classroom meeting a week. *Elective for Juniors. Limited to twenty-five students with the consent of the instructor. Second semester.*

50. Structure and Process of State and Local Government. Mr. Rosenzweig. *3 credit hrs.*

Development and philosophy of the American federal system; constitutional bases of state and local government; state and local administrative problems; formal and informal distribution of political power in

local communities. Three hours of classroom work a week. *Elective for Juniors. Second semester.*

55. American Political Theory. Mr. Fenno. *3 credit hrs.*

A survey of major ideological conflicts in American thought from colonial times to the present, with emphasis upon the evolving concept of American democracy. Special attention to democratic and anti-democratic assumptions embodied in radical, liberal, conservative, and socialist theories of state and society as they have appeared in America. Where appropriate, the relation between American and European political theory will be considered. Alternates with Political Science 27. Three hours of classroom work per week. *Elective for Juniors with the consent of the instructor. First semester.* (*Omitted 1955–56.*)

57. History of Political Thought. Mr. Fenno. *4 credit hrs.*

Problems of political thought from the Greeks to the nineteenth century. Three hours of classroom work per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

58. Modern Political Theory. Mr. Fenno. *4 credit hrs.*

The mainstream of political thought, European and American, in the nineteenth and twentieth centuries: Liberalism, conservatism, democracy, socialism, communism, fascism, the recent controversy over economic planning and economic reconstruction for democratic survival. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

71S. Public Opinion and Propaganda. Mr. Rosenzweig. *4 credit hrs.*

A study of the role and influence of public opinion and propaganda in democratic and totalitarian political systems. Topics will include the place of public opinion in political theory, propaganda warfare in international politics, party propaganda in American campaigns and elections, the activities of the opinion industries, the public relations of business, religious, farm, labor, and patriotic organizations, public opinion measurement and censorship. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

73–74. Introduction to Jurisprudence. *4 credit hrs.*
Professor Loewenstein.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analy-

sis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. One three-hour seminar each week. *Elective for Seniors.* (*Omitted 1955–56.*)

79–80. Honors Course. The Department. *6 credit hrs.*

Elective for Seniors who have satisfied the necessary requirements. First and second semesters.

Psychology

Professor Koester; Associate Professor Coplin;
Assistant Professor Grose; Mr. Birney.

A major in psychology consists of either (1) thirty credit hours of work in psychology, or (2) a combination of twenty-two hours in psychology and eight hours in related fields.

Interdepartmental majors may be elected in psychology-biology and psychology-philosophy.

Honors work in the department consists of the following: 1) in his junior year the student prepares himself for psychological research by taking the junior honors course designed for this purpose; 2) in his senior year the student undertakes a research project and participates in a seminar designed to broaden his understanding of psychological analysis and findings. *Psychology 21 must be elected in the sophomore year by the student planning to do honors work in the department.*

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21. Introduction to Psychology. Professor Koester. *4 credit hrs.*

An analysis of human behavior and experience in terms of concepts and general principles formulated on the basis of findings obtained by a variety of psychological methods. One of the major objectives of the course is the introduction of the student to procedures that are being used in the attempt to develop a scientific body of psychological knowledge. Emphasis will be placed upon the contributions of psychology to an understanding of those factors which significantly influence the development of human personality. Three class meetings and one additional session per week for either a discussion of course material or a laboratory study of methods used in psychological analysis. *Elective for Sophomores. First semester.*

21S. Introduction to Psychology. Professor Koester. *4 credit hrs.*

Same course as Psychology 21. *Elective for Sophomores. Second semester.*

22. Social Psychology. Mr. Birney. *3 credit hrs.*

A psychological analysis of man's behavior with emphasis upon social influences. Attention will also be given to various aspects of group behavior. Three class meetings per week. Requisite: Psychology 21. *Elective for Sophomores. Second semester.*

24S. Developmental Psychology. Mr. Birney. *3 credit hrs.*

A study of the development of the most important aspects of behavior from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

41. Abnormal Psychology. Professor Coplin. *3 credit hrs.*

A study of the major classes of psychological disorder, based on experimental and clinical findings. Particular attention is given to the causes and underlying mechanisms of the various abnormalities. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

42S. Educational Psychology. Professor Grose. *3 credit hrs.*

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general interest in the field of education. One two-hour seminar per week. Requisite: Psychology 21. *Elective for Juniors. Limited to fifteen students. First and second semesters.*

44. Psychological Tests and Measurements. *3 credit hrs.*
Professor Grose.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, personality, aptitude, and achievement. Two class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester. (Omitted 1955–56.)*

45. Experimental Design and Statistical Analysis. *3 credit hrs.*
Professor Grose.

A study of basic considerations concerning the design of psychological experiments and an introduction to the statistical methods commonly employed in the analysis of psychological research data. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

46. Psychology of Personality. Mr. Birney. *4 credit hrs.*

An advanced course in the study of current research in the area of personality studies. Emphasis will be placed on the critical evaluation of research techniques and findings. Requisites: Psychology 21, 24, and one additional three- or four-credit hour course in Psychology. *Elective for Juniors with the consent of the instructor. Limited to fifteen students. Second semester.*

48. General Psychology. Professor Grose. *4 credit hrs.*

A study of selected problems in the field of general psychology with emphasis upon major experimental findings and general principles. The problems will be selected from areas such as sensation, perception, motivation, learning, etc. Some attention will be given to the neural foundations of psychological activity. Three class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

50. Culture and Personality. Professor Koester. *3 credit hrs.*

An analysis of anthropological and psychological contributions related to the culture concept and the role of cultural factors in the shaping of human behavior and experience. A brief introduction will be given to the problems and methods of social and cultural anthropology, and special emphasis will be placed upon significant cultural uniformities and diversities. Two lectures and one section meeting per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

51. Psychological Viewpoints and Theory. *4 credit hrs.*
Professor Koester.

A study of significant viewpoints concerning objectives and methods of psychological investigation and an analysis of important theoretical contributions to an understanding of behavior and experience, including a systematic survey of psychoanalytical concepts. One two-hour seminar each week. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Limited to fifteen students. First semester.* (*Omitted 1955–56.*)

70. Junior Honors. The Department. *2 credit hrs.*

A weekly analysis of selected research findings with special emphasis upon the design and interpretation of research projects and the discovery of new research possibilities. In addition, the student will be expected to formulate a research project and to present plans for undertaking the project during his senior year. Requisites: Psychology 21, 45. *Elective for Juniors. Second semester.*

72. Marriage and the Family. Professor Coplin. *1 credit hr.*

An introduction to marriage and the family with emphasis upon psy-

chological, biological, and sociological findings. One class meeting per week. *Elective for Seniors. Second semester.*

74S. Selected Problems in Psychology. *4 credit hrs.*

This course is designed solely for the senior who majors in psychology without honors. Each student will be expected to read extensively with reference to some selected problem area in psychology and to write a paper summarizing his findings. Periodic meetings of the group will be held for the twofold purpose of providing assistance in techniques of dealing with a problem and obtaining progress reports. An oral examination will be given after the paper is submitted. Requisite: 15 credit hours of work in Psychology. *Elective for Seniors. First semester.*

79–80. Senior Honors. The Department. *6 credit hrs.*

The student undertakes an individual research project. A substantial amount of preliminary data must be obtained during the first semester. The project is completed during the second semester. In addition, honors students participate in a seminar designed to broaden their understanding on psychological analysis and findings. *Elective for senior honors students. First and second semesters.*

Public Speaking

Professor Garrison

Note: Public Speaking 42 and 44 may be elected by students who have not taken Public Speaking 41 and 43.

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21. Fundamentals of Oral Expression. *1 credit hr.*
Professor Garrison.

One hour of classroom work per week. *Required of Sophomores. First semester.*

22. Fundamentals of Oral Expression. *1 credit hr.*
Professor Garrison.

One hour of classroom work per week. *Required of Sophomores. Second semester.*

41. Extemporaneous Speaking; Techniques and Types of Speaking. Psychology of Persuasion. *3 credit hrs.*
Professor Garrison.

Requisite: A grade of "B" in Public Speaking 21–22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. First semester.* (*Omitted 1955–56.*)

42. Extemporaneous Speaking; Techniques and Types of Speaking. Parliamentary Procedure. *3 credit hrs.*
Professor Garrison.

A continuation of Public Speaking 41. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. Second semester.* (*Omitted 1955–56.*)

43. Argumentation and the Forms of Public Address. *4 credit hrs.*
Parliamentary Procedure.
Professor Garrison.

A critical study of techniques effective in persuasion; oral and written composition. Requisite: A grade of "B" in Public Speaking 21–22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. First semester.*

44. Argumentation and the Forms of Public Address. *4 credit hrs.*
Professor Garrison.

A study of the application of behavioristic and Aristotelian techniques; oral and written composition. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. Second semester.*

Religion

Professor Martin and Assistant Professor Sanders.

All courses in religion may count towards a major, which shall consist of Religion 21, 22, Introduction to Religion, and six additional semester courses in religion or related studies approved by the Department.

Of these six additional courses at least three must be courses in religion, and it is recommended that they include Philosophy 43, 44, History of Philosophy.

Students definitely committed to a pre-theological course are not encouraged to major in religion, though they should take at least one basic course in the field.

Honors in religion shall consist of the Conference Course Religion 79, 80 taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the college; satisfactory performance in written comprehensive examinations on the history of religious traditions and on Bible, Philosophy of Religion, or Comparative Religion; and the preparation and oral defense of a scholarly essay on a topic approved by the Department.

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21. Introduction to Religion. Professor Martin. *4 credit hrs.*

The origins and nature of religion. Basic beliefs and practices of Con-

fucianism, Hinduism, Buddhism, Judaism, and Islam as reflected in their scriptures and institutions. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. Introduction to Religion. Professor Martin. *4 credit hrs.*

The Christian heritage as reflected in the New Testament and the Christian classics. Basic Catholic and Protestant doctrines and practices. Religion and the modern mind: modernism, humanism, and the new orthodoxy. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. The Old Testament. Professor Sanders. *4 credit hrs.*

Foundations of the Hebrew-Christian tradition in the literature and life of the Old Testament. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

24. The New Testament. Professor Sanders. *4 credit hrs.*

Foundations of the Christian tradition in the literature and life of the New Testament. May be elected to fulfill part of the Humanities requirement. Requisite: Religion 21 or 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

45. Philosophy of Religion. Professor Martin. *3 credit hrs.*

An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. Religion in American Culture. Professor Sanders. *3 credit hrs.*

A survey of the main religious traditions of America from Colonial times to the present, emphasizing the interaction of the churches and their environment and showing the role of religion in the development of American culture. *Elective for Juniors. Second semester.*

49. Contemporary Religious Thought. Professor Martin. *3 credit hrs.*

Analysis and comparison of the views of selected contemporary theologians and religious philosophers. (Same course as Philosophy 49.) Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1955–56.)*

79. Conference Course. The Department. *4–8 credit hrs.*

Selected topics of study; required of candidates for honors in religion. Detailed outline of thesis and adequate bibliography for project

required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors with the consent of the instructors. First semester.*

80. Conference Course. The Department. *4 credit hrs.*

Selected topics of study; required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester.*

Science

Science 1. Professors Arons and Breusch in charge. *4 credit hrs.*

A course in physical science and mathematics. The objectives of the course are: to show what is meant by a scientific concept and how scientists construct a conceptual scheme to obtain a deeper understanding of physical phenomena; to show how scientists work and reason and how such reasoning has led to discoveries which have influenced the development of our culture and the outlook of man toward the world around him; to impart some knowledge of physical laws and phenomena, particularly those which affect our everyday lives and actions.

To achieve these ends, no attempt is made to cover a wide range of subjects in the fields of physics and mathematics; rather, a limited number of subjects is studied with some care, so as to develop a more profound understanding than would otherwise be possible.

In physics, topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent development of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter.

In mathematics, topics are selected from analytic geometry and calculus in such a way as to show how this science has arisen as a powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science.

Mathematics, two hours; Physics, two hours; Laboratory, two hours. *Required for Freshmen. First semester.*

Science 2. Professors Arons and Brown in charge. *4 credit hrs.*

The second semester of the course outlined above under Science 1.

Mathematics, two hours; Physics, three hours; Laboratory, two hours. *Required for Freshmen. Second semester.*

Staff Professors Arons, Benson, Breusch, Brown, Linnell, Nicol, Soller, Sprague and Towne; Messrs. Hall, Romer, Saenger and Willcox.

21. Chemistry-Biology Sequence. Chemistry. *4 credit hrs.*
Professors Beebe, Grahame, Robison, Scott, and Whitney.

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Attention is given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

22. Chemistry-Biology Sequence. General Biology. *4 credit hrs.*
Professors Kidder and Yost.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Four classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

23–24. Evolution of the Earth and Man. *4 credit hrs.*
Professors Wood (Chairman), Bain, Linnell, Plough, Schotté, and Yost; Messrs. Brophy, Ellis, and Hexter.

A review of the evolution of the earth and the changing landscape, particularly in relation to the appearance and history of living organisms. This leads to a study of the appearance of the human line, and the evolution of man with his developing cultures. Four classroom hours and two hours laboratory work per week. (Same course as Biology 23–24.) *Elective for Sophomores. First and second semesters.*

42. History of Science and Technology. *3 credit hrs.*
Professor Green.

The development of scientific thought and method in the physical sciences, and the development of technology in physical science. Emphasis will be placed on the period from the fifteenth century to modern times. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

43. Introduction to Analysis of Data and Design of Experiment.
Professor Arons. *1 credit hr.*

A series of lectures intended for all students in natural sciences (including pre-medical study), intended to give such students an awareness of the available objective methods of constructing experiments and interpreting experimental results. Specific illustrations will be taken from physical science, biology, psychology, and medical research. Elementary theory of errors. Confidence limits and tests for significant differences between experimental results. Testing hypotheses. Design of experiments. *Elective for Juniors. First semester.*

Spanish

Associate Professor JOHNSON; Mr. MAZZARA;
Assistants: Messrs. QUINTANA and HERNÁNDEZ.

Note: Major with honors. The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development of Spanish literature since the end of the Middle Ages. Candidates will normally take the courses numbered 7, or 7S, 10, 21, 22, 25, 26, 42, 79, 80. In exceptional cases and with the consent of the Department, a related course in another department may be substituted for the eighth course in Spanish. All course elections are made in consultation with a representative of the Department, and the course program may be adjusted in special cases. At the end of the final semester each candidate will take two three-hour examinations, one consisting mainly of essay questions (to one of which the answer must be written in Spanish), the other involving critical interpretation of text. Recommendations for the various grades of degree with honors will be made on the basis of (1) the honors examinations, (2) the student's work in courses 79 and 80, (3) his general average in all his work in the department.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting courses 1 and 3. Six of these credits may be in approved courses outside the Department.

Combined major in two languages. For a student whose primary language is Spanish, the major must include twenty credit hours in Spanish, not counting courses 1, 3 and 5; in the second language it must include ten credit hours, of which at least three must deal with literature.

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year. Any course or combination of courses (numbered above 5, except Spanish 10) giving 4 credit hours.

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1. ELEMENTARY COURSE. *4 credit hrs.*

Mr. MAZZARA and Assistants.

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. *4 credit hrs.*

Mr. MAZZARA and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course

will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. Intermediate Course. Mr. Mazzara and Assistants. *4 credit hrs.*

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*

5. Advanced Course. *4 credit hrs.*

Professor Johnson and Assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant works from the modern period. Three hours per week in class, and three hours per week in small sections. Stress will be placed on the acquisition of aural comprehension of the language and oral practice. Conducted as far as possible in Spanish. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

5S. Advanced Course. Mr. Mazzara and Assistants. *4 credit hrs.*

Same description as above. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

7. Introduction to Hispanic Civilization. *4 credit hrs.*

Professor Johnson.

This course will meet five hours per week: three hours for the reading and discussion of selected texts. Two hours in small sections for oral and aural practice in the active use of the Spanish language. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. First semester.*

7S. Introduction to Hispanic Civilization. *4 credit hrs.*

Professor Johnson.

Same description as above. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

10. Advanced Composition and Conversation. *4 credit hrs.*

The Department.

Practice in conversation, free composition and set translation into Spanish; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of Spanish. Requisite: The consent of the instructor. Three class and two laboratory hours per week. *Elective for Freshmen. Second semester in alternate years. (Omitted 1955–56.)*

21. Readings in Spanish Literature since 1800. *4 credit hrs.*
Mr. Mazzara.

This course will meet three times a week to study approximately six representative novels and plays and some poetry, and their relation to the main literary trends of recent times. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S. *Elective for Sophomores. First semester in alternate years.* (*Omitted 1956–57.*)

22. Readings in Spanish American Literature since 1800. *4 credit hrs.*
Professor Johnson.

This course will meet three times a week to study selected works of outstanding merit and their relation to the development of Spanish American culture. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S (8). *Elective for Sophomores. Second semester in alternate years.* (*Omitted 1956–57.*)

24. Poetry. *2 credit hrs.*

This course will meet twice a week to read and discuss examples of Spanish verse. Requisite: Spanish 7 or Spanish 7S. *Elective for Sophomores. Second semester in alternate years.*

25. Golden Age Prose, Poetry, and Drama. *4 credit hrs.*

This course will meet three hours per week for extensive reading in such authors as Juan Manuel, Garcilaso, Fray Luis de León, Quevedo, Góngora, Lope de Vega, Tirso de Molina, Calderón. Recommended for students planning to take the Cervantes course. Limited to 25 students. Requisite: Spanish 7 or Spanish 7S. *Elective for Sophomores. First semester in alternate years.* (*Omitted 1955–56.*)

26. Cervantes. Professor Johnson. *4 credit hrs.*

This course will meet three hours per week to study the major prose works of Cervantes and their relation to the Golden Age. Emphasis on *Don Quijote de la Mancha.* Limited to 25 students. Requisite: Spanish 7 or Spanish 7S. *Elective for Sophomores. Second semester in alternate years.* (*Omitted 1955–56.*)

27. Hispanic Authors. Professor Johnson. *1 credit hr.*

The author to be studied in this course will be determined each year by the instructor in charge. For 1955–56: Miguel de Unamuno, *El sentimiento trágico de la vida.* Requisite: The permission of the instructor. *Elective for Sophomores. First semester.*

28. Hispanic Authors. Mr. Mazzara. *1 credit hr.*

The author to be studied in this course will be determined each year by the instructor in charge. For 1955–56: Ortega y Gasset, *La rebelión de las masas*. Requisite: The permission of the instructor. *Elective for Sophomores. Second semester.*

42. Advanced Readings in Spanish Literature. *4 credit hrs.*
The Department.

The content of this course will be determined each year by the instructor in charge. Requisite: The consent of the Department. *Elective for Juniors. Second semester.*

79–80. Conference Course for Honors Candidates. *4 credit hrs.*

III

Lectureships, Honors, Fellowships, Prizes and Awards

Lectureships

The Henry Ward Beecher Lectureship

This lectureship fund of $10,000 was founded by the late Frank L. Babbott, LLD., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

The Clyde Fitch Fund

A fund of $20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

The John Woodruff Simpson Lectureship

A fund now amounting to $193,500 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowshsps and "to secure from time to time, from England, France or elsewhere, icholars for the purpose of delivering lectures or courses of instruction at Amherst College."

The Reynolds Fund

A fund now amounting to approximately $141,000 was established by the late George W. Reynolds of the Class of 1877. Part of the income is accumulated each year and added to the fund. The remainder is available for lectures at the College in the fields of religion and of science.

The Charles E. Merrill Lectureship

An expendable fund of $10,000 was given by Charles E. Merrill of the Class of 1908 for a series of lectures and formal discussions on applied economics. Upon delivery, these lectures become the property of Amherst College for publication.

As in previous college years, a number of Merrill Lectures will be brought to the College during 1954–1955 from the fields of government, business, labor, and agriculture.

Honors

THE PHI BETA KAPPA SOCIETY

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

Officers

President: NEWTON F. MCKEON, JR., '26
Vice-President: JOHN B. PRIZER, '29
Secretary-Treasurer: MURRAY B. PEPPARD, '39
Undergraduate President: ROBERT MARKHAM BALL, '56
Undergraduate Secretary-Treasurer: ROBERT ROSS HOLLOWAY, '56

First Election, Class of 1956

Robert Markham Ball
Crayton Ward Bedford
Robert Ross Holloway
Van Doorn Ooms
Alfred Soman
Thomas Ancrum Spencer, Jr.
William Lawrence Velton

Second and Third Elections, Class of 1955

Thomas Alden
Thomas Paterson Alder
Addison Ault
Robert Treinis Basseches
Richard DeWeese Baughman
Richard Samuel Baum
Donald Matthew Beardwood
George Vladimir Bobrinskoy, Jr.
Richard Van Wyck Buel, Jr.
Richard Guenther Davis
Richard Alan Dirks
William Bernard Duffy, Jr.
Antonio Luis Ferré
Jeffrey Andrew Fillman
Robert Yale Fox
Seth Edward Frank
Howard Bruce Franklin
Stanley Arthur Ginsberg
Lewis Joel Greene
Robert Spencer Haller
Walter Edwin Hinrichs
Stanton Alfred Kessler
David Roger Lawrenz
Martin Carl Lindem, Jr.
Donald Jay Marcus
Thomas Richard Metcalf
Michio Mizoguchi
Edmund Strother Phelps, Jr.
Gerald Rodman Plotkin
Ivan James Radin
William Wendell Rees
Irwin Brody Robins
Arthur Henry Rosenberg
Michael Donald Sahl
John William Salisbury, Jr.
Ralph Zellar Sorenson, Jr.
Bruce William Steinhauer
James Milton Woodburn

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. The Society has as one of its purposes to give recognition to those students, members of the faculty, and research associates who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability may be recommended to associate membership by the departments concerned. In the case of undergraduates, nomination will be given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades). At present the chapter has a total membership of some 95 faculty and students.

Officers

President: Professor WARREN K. GREEN
Vice-President: Professor BAILEY BROWN
Secretary-Treasurer: Professor JAMES NICOL

Initiates—1955

To Full Membership

Edward C. Park, Jr.
Irvin C. Plough

To Associate Membership

Addison Ault
Richard D. Baughman
Richard S. Baum
Donald M. Beardwood
James C. Brocoum
Bradford N. Bunnell
Edwin T. Florance
William G. Gamble
Stanley A. Ginsberg
Lewis J. Greene
Jack W. Hagstrom
S. Robert Hilfer
Walter E. Hinrichs
David R. Lawrenz
Martin C. Lindem, Jr.
James B. McGovern
Barbara E. Mills
Paul Penfield, Jr.
Gerald R. Plotkin
William W. Rees
Michael D. Robbins
Arthur H. Rosenberg
John W. Salisbury, Jr.
Bruce W. Steinhauer

THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and oratorical merit to deliver orations at the Class Day Exercises. The Bond Prize of one hundred dollars is awarded to the speaker who delivers the best oration.

The Bond Fifteen, 1955

Thomas Hyde Alden
Ralph Gilmore Allen
Richard Guenther Davis
Robert Fagles
Edwin Trent Florance
Seth Edward Frank
Stanley Arthur Ginsberg
Mark Richard Hanschka
David Markham Lemal
Frank Dewey Mayer, Jr.
Thomas Richard Metcalf
William Wendell Rees
Michael Daniel Robbins, Jr.
Bruce William Steinhauer
Ronald Eric Wyn

Fellowships

The College's funds for fellowships aggregate $450,300. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

The names of those to whom fellowships have been awarded for the current year will be found on page 13.

The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry

A fund of $112,200 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Henry P. Field Fellowships

Two fellowships of $500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

The Edward Hitchcock Fellowship

The income from a fund of $20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

The Roswell Dwight Hitchcock Memorial Fellowship

A fund of $7600, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

The Rufus B. Kellogg University Fellowship

The income from a fund of $48,900 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or, with the approval of the said Faculty, at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

The Edward Poole Lay Fellowship

A fund of $34,300, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922. The income from the fund provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The James Ingram Merrill Award

A fellowship of $1,000 is available for a member of the graduating class or a recent alumnus who has done outstanding work in the field of English to assist him in graduate study at a University of his choice. The award may be made for either scholarly promise or for ability in creative writing. The award is to be made by the Fellowship Committee upon recommendation from the English Department.

The Forris Jewett Moore Fellowships

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore.

In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of $21,400, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate and desires to engage in further study of that subject, preference to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of $14,500, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate and desires to engage in further study of that subject.

3. A fund of $17,800, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of philosophy while an undergraduate and desires to engage in further study of that subject.

The George A. Plimpton Fellowships

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936 and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

The Sherman Pratt Faculty Fellowships for Study Abroad

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in teaching and scholarship and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

The John Woodruff Simpson Fellowships and Lectureships

A fund now amounting to $193,500 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors are as follows:

"1. To award to any graduate of Amherst College a fellowship for use

in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.

Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

Art

THE ANNA BAKER HEAP PRIZE, from the income of a fund of $1,700, established by the late Arnold N. Heap of the class of 1873; $80 is awarded to that Senior who submits the best essay in the field of "Art."

No award

Biology and Geology

THE HARVEY BLODGETT SCHOLARSHIP, from the income of a fund of $2,900, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases: combined with

THE PHI DELTA THETA SCHOLARSHIP, from the income of a fund of $500, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

(The two preceding scholarships usually are combined, with a single award of $140.)

Donald Lawrence Nathanson, '56

Chemistry and Medicine

THE HOWARD WATERS DOUGHTY PRIZE, from the income of a fund of $1000, given anonymously; $50 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

Thomas Ancrum Spencer, Jr., '56

THE FRANK FOWLER DOW PRIZES, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; $300 is awarded to a member or members of the junior or senior class preparing

to enter medical school, and whose undergraduate work indicates a career of usefulness and distinction in medicine.

Bruce William Steinhauer, '55

Dramatics

THE RAYMOND KEITH BRYANT PRIZE, an annual gift of $25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

Frederic David Levy, '55

Economics

THE W. T. AKERS, JR. PRIZE of $50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that member of the junior or senior class who has, in the opinion of the economics department, written and submitted the best paper on some topic connected with insurance.

Robert Donald MacDougall, '55

English

THE ARMSTRONG PRIZE, from the income of a fund of $2,500, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of $60 to members of the freshman class who excel in composition.

Divided equally between

Charles Albrecht Lutz, '58

Arthur George Powell, '58

THE COLLIN ARMSTRONG POETRY PRIZE, from the income of a fund of $2,500, established in part by Mrs. Elizabeth H. Armstrong; $60 is awarded to the undergraduate author of the best original poem or group of poems.

William Lawrence Velton, '56

THE CORBIN PRIZE, from the income of a bequest of $1000 established by the estate of William Lee Corbin of the Class of 1896; $50 is awarded

for an outstanding original composition in the form of poetry or an informal essay.

KENNETH ROBERT EISOLD, '56

THE JOHN FRANKLIN GENUNG PRIZE, of $50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

JOSEPH JOHN MOLDENHAUER, '56

THE HARRY RICHMOND HUNTER, JR. PRIZE, from the income of a fund of $1,300, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; $50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

GEORGE NICHOLAS AMABILE, '57

THE RALPH WALDO RICE PRIZE, from the income of a fund of $1,700, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; $80 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

No award

Greek

THE WILLIAM C. COLLAR PRIZE, from the income of a fund of $1,300 established by the late William C. Collar of the class of 1859; $65 is awarded to that member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

JOHN PATRICK SWEENEY, JR., '58

THE HUTCHINS PRIZE, from the income of a fund of $1,300, established by the late Waldo Hutchins of the class of 1842; $65 is awarded to the best scholar in Greek at the end of the junior year. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

ROBERT ROSS HOLLOWAY, '56

THE HARRY DE FOREST SMITH SCHOLARSHIP, of $600, is awarded to a member of the freshman class enrolled in one of the regular courses in the department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his

entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship.

No award

Journalism

THE SAMUEL BOWLES PRIZE, from the income of a fund of $3,400 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of $165 is awarded to a student of the junior or senior class who has demonstrated proficieny in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

Divided equally between

Robert Markham Ball, '56

Steven Ilsley Davis, '56

Latin

THE BILLINGS PRIZES, from the income of a fund of $1,200, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of $40 and $20 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

Divided equally between

Peter Lee Kline, '57

Michael Buckley Wray, '57

THE CROWELL PRIZES, from a fund of $2100 in memory of Edward Payson Crowell of the class of 1853; prizes of $30 and $20 are awarded for the highest scholarship in the freshman Latin courses; prizes of $30 and $20 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course.

Freshman Award

First Prize

Harold Cornelius Haizlip, '57

Second Prize

Alfred Nicol Smith, '58

Junior Award

First Prize

James Justesen White, '56

Second Prize

Robert Ross Holloway, '56

THE BERTRAM PRIZES, from the income of a fund of $2,100, established by the late John Bertram of Salem; two prizes of $60 and $40 each are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

First Prize

Charles Ramsay Blyth, Jr., '55

Second Prize

No award

Mathematics, Physics, and Astronomy

THE PORTER PRIZES, from the income of a fund of $600, established by the late Eleazer Porter of Hadley; two prizes of $15 each are awarded for proficiency in first year physics and astronomy respectively.

Physics

Daniel Edward Feldman, '58

Astronomy

Edward Sander Hoffman, '57

THE WILLIAM WARREN STIFLER PRIZE, from the income of a fund of $1,000, created by the late Professor Stifler; $50 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism.

Edwin Trent Florance, '55

THE WALKER PRIZES, from the income of a fund of $6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of $85 and $45 are awarded for proficiency in mathematics of the first year, and two prizes of $110 and $50 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

First Year

Divided equally between

William Hugh Jewett, '58

Kenneth Brooks Low, Jr., '58

Second Year

First Prize

Kwang Yu, '57

Second Prize

Divided equally between

George Eldon Keith, Jr., '58
James Charles Sheinin, '58

Philosophy and Religion

THE MOSELEY PRIZES, from the income of a fund of $7,400, established by the late Thomas W. H. Moseley of Hyde Park; two prizes of $240 and $120 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

Divided equally among

Jack Arthur Peverill, '55
Robert Tyler Reed, '55
Peter Wells Scott, '55

Physical Education

THE SAWYER PRIZES, from the income of a fund of $1,900, established by the late Edmund H. Sawyer, hon. 1878; $95 is available for prizes for excellence in the department of Physical Education.

Senior Class

John Hornsey Cowan Anderson, '55

Sophomore Class

Herbert Walter Tannenbaum, '57

Political Science

THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE, of $100, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science.

Divided equally between

Thomas Paterson Alder, '55
Michio Mizoguchi, '55

Public Speaking

THE BANCROFT PRIZES, of $200 and $100, from the income of a fund of $6,200 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

First Prize

Robert Orrin Lehrman, '55

Second Prize

Eugene Gilkison Wanger, '55

THE BOND PRIZE, from the income of a fund of $2,300 established by the late Ephraim W. Bond of the class of 1841; $110 is awarded for the best production spoken at the Senior Chapel service. The award is determined by a committee appointed by the Trustees upon nomination by the Faculty.

Frank Dewey Mayer, Jr., '55

THE HARDY PRIZES, from the income of a fund of $1,200, established by the late Alpheus Hardy of Boston; prizes of $35 and $20 are awarded for excellence in extemporaneous speaking.

First Prize

John Francis Lewis, '55

Second Prize

Eugene Gilkison Wanger, '55

THE KELLOGG PRIZES, from part of the income of a fund of $48,700, established by the late Rufus B. Kellogg of the class of 1858; two prizes of $60 each are awarded, one to a member of the sophomore class and one to a member of the freshman class, for excellence in declamation.

Sophomore Class

George Edward Koski, '57

Freshman Class

Peter Donald MacDougal Parker, '58

THE ROGERS PRIZE, from the income of a fund of $1,200, given by Noah C. Rogers of the class of 1880; $60 is awarded to a member of the junior class for excellence in debate.

Divided equally between

Edward Fletcher Dibble, '56
Richard Alan Gams, '56

Scholarship and Citizenship

THE ADDISON BROWN SCHOLARSHIP, from the income of a fund of $6,000, established by the late Addison Brown of the class of 1852; $295 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

ROBERT ROSS HOLLOWAY, '56

THE SAMUEL WALLEY BROWN SCHOLARSHIP, from the income of a fund of $6,000, established by the late Samuel Walley Brown of the class of 1866; $295 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

STUART SIDNEY TULLER, JR., '57

THE FRANK A. HOSMER SCHOLARSHIP, from the income of a fund of $15,000 established by Frank A. Hosmer of the class of 1875; $600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

SHELDON STUART BADDOCK, '58

THE PORTER ADMISSION PRIZE, from the income of a fund of $1,200, established by the late Eleazer Porter of Hadley; $60 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

WILLIAM IRA WEISBERGER
SCARSDALE, NEW YORK, HIGH SCHOOL

THE PSI UPSILON PRIZE, from the income of a fund of approximately $4,896, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; $200 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be, in the terms of the Ancient Athenian oath,* the "first citizen" of the College.

GORDON MARSHALL FORBES, '55

* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend

THE SAUL ROSEN SCHOLARSHIP, created by Mr. Saul Rosen of Paterson, New Jersey; $250 is awarded to that member of the senior class preparing to enter medical school, whose work during his undergraduate years has indicated a promising career in medicine.

Robert Leonard Jedrey, '55

THE JOHN SUMNER RUNNELLS MEMORIAL, from the income of a fund of $6,000, established in memory of John Sumner Runnells of the class of 1865; $295 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preëminent in his zeal for knowledge and industry to attain it.

James Frederick Mollenauer, '57

OBED FINCH SLINGERLAND MEMORIAL PRIZE, from the income of a fund of $10,800 established by an anonymous donor; $530 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education; the award to be based upon demonstrated achievement with full consideration given to the external handicaps, financial and otherwise, under which his record was attained; in case of uncertainty the Trustees are to be guided by the example set by Obed Finch Slingerland.

Harry Bentley Steuber, '56

THE SYLVESTER SCHOLARSHIP of $750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields.

First Award end of 1955–56 Academic Year

THE STANLEY V. and CHARLES B. TRAVIS PRIZE, from the income of a fund of $2,300; established by the late Charles B. Travis of the class of 1864; $110 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Divided equally between

Ralph Gilmore Allen, '55

Charles Ramsay Blyth, '55

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things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son, Charles Denton Treadway, awarded to that fraternity or the group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

THE LORD JEFFERY AMHERST CLUB

THE TRUSTEE TROPHY is awarded each semester to the fraternity or social organization showing the greatest percentage of improvement academically during the previous semester.

1954–55

First Semester—CHI PSI
Second Semester—PSI UPSILON

THE HOUSE MANAGEMENT COMMITTEE TROPHY is awarded each year after the end of the first semester to the sophomore delegation of a fraternity or social organization having the best scholastic record for the semester, judgment of the record to be based equally on comparative scholastic standing and on percentage of improvement as against the preceding semester.

1954–55—PHI ALPHA PSI

THE WOODS PRIZE, an annual gift of $60 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Divided equally between
RALPH GILMORE ALLEN, '55
CHARLES RAMSAY BLYTH, '55

Other Prizes

THE ASHLEY MEMORIAL TROPHY, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

GEORGE FREDERICK KARCH, JR., '55

THE HOWARD HILL MOSSMAN TROPHY, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department

of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

ROBERT LEONARD JEDREY, '55

THE LINCOLN LOWELL RUSSELL PRIZE, from the income of a fund of $1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; $60 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

HORACE CHESTER MOSES, III, '55

THE ROBERT E. BAUSER MEMORIAL AWARD of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54.

PAUL LIVINGSTONE PENFIELD, JR., '55

Degrees Conferred April 23, 1955

BACHELOR OF ARTS

Rite

Edward Murray Bassett
Maynard Gardner Clemons, Jr.
Eugene William Friedrich
Bradford Johanson
William Robert Kershlis, Jr.
Webster Lardner Kitchell
Frederick Cromwell Moore

Degrees Conferred June 12, 1955

BACHELOR OF ARTS

Summa cum Laude

Thomas Hyde Alden
Economics
Ralph Gilmore Allen
Dramatic Arts
Robert Fagles
English
Edwin Trent Florance
Physics
Mark Richard Hanschka
Economics
David Markham Lemal
Chemistry
Frank Dewey Mayer, Jr.
History
Thomas Richard Metcalf
History
Michael Daniel Robbins, Jr.
Psychology

Magna cum Laude

Thomas Paterson Alder
Political Science
Addison Ault
Chemistry
Robert Treinis Basseches
Physics
Richard DeWeese Baughman
Biology
Richard Samuel Baum
Biology
Donald Matthew Beardwood
Biology
George Vladimer Bobrinskoy, Jr.
History
Richard Van Wyck Buel, Jr.
History
Richard Guenther Davis
Economics
Richard Alan Dirks
English
William Bernard Duffy, Jr.
English
Antonio Luis Ferré
Philosophy

Jeffrey Andrew Fillman
Political Science
Robert Yale Fox
American Studies
Seth Edward Frank
Philosophy
Howard Bruce Franklin
English
Stanley Arthur Ginsberg
Biology
Lewis Joel Greene
Chemistry
Walter Edwin Hinrichs
Psychology
Stanton Alfred Kessler
Economics
David Roger Lawrenz
Biology
Martin Carl Lindem, Jr.
Biology
Michio Mizoguchi
Political Science
Edmund Strother Phelps, Jr.
Economics
Gerald Rodman Plotkin
Biology
Ivan James Radin
English
William Wendell Rees
Chemistry
Irwin Brody Robins
Political Science
Arthur Henry Rosenberg
Biology
Michael Donald Sahl
Music
John William Salisbury, Jr.
Geology
Ralph Zellar Sorenson, Jr.
Economics
Bruce William Steinhauer
Biology
James Milton Woodburn
Economics
Ronald Eric Wyn
Philosophy

Cum Laude

Jevne Duncan Baskin
Economics
Gerald Benson
History
Alexis Jacques Bespaloff
English
Robert Murray Blumenberg
Biology
Charles Ramsay Blyth
Classics
Alling Christian Brown
English
Bradford Noble Bunnell
Psychology
Hugh Carter Burdette
Physics
Herbert Lawrence Burkard
Chemistry
Thomas Blaylock Carstensen
Economics
Roger Browne Clark
Economics
William Weinschenk Cobau
English
Henry Leland Coon
English
Charles Sylvester Cooper, III
Economics
Michael Norton Cowan
Biology
William Wallace Crook
French

George Aloysius Dean, Jr.
Political Science
Jon Phillips Desenberg
American Studies
Norman Wardwell Douglass
History
Ralph Earle, Jr.
Biology
William Wendell Falsgraf
Economics
Jan Richard Farr
American Studies
Richard Brian Flynn
Political Science
Austin Pendleton Frum
English
William Gardner Gamble
Biology
Herbert Leonard Grant
American Studies
Robert Ernest Grant
American Studies
Richard Ernest Grunebaum
History
Jack Walter Hagstrom
Biology
Robert Spencer Haller
English
George William Hamilton, Jr.
Geology
Richard Spaulding Heilman
Biology
Paul Christian Helmreich
History
John Alfred Hiatt
English
Robert Leonard Jedrey
Biology
Anthony Kallet
Psychology
George Frederick Karch, Jr.
Political Science
Stephen Ira Kirschenbaum
English
Harold Hutchinson Kolb, Jr.
English
Charles Gilbert Kopp
Political Science
Robert Somerset Lansdowne
Economics
Robert Orrin Lehrman
Political Science
Frederic David Levy
Greek
John Francis Lewis
Economics
Robert Charles Long
Economics
Robert Donald MacDougall
Economics
Willis McKee McFarlane
Economics
James Bruce McGovern
Biology
Everett Wood MacLennan
Economics
Alexander Case Marrack
American Studies
David Mermelstein
Economics
Leigh Douglas Miller
American Studies
George Sumner Barton Morgan
Fine Arts
Roger Phillip Morgan
Political Science
Kingsley Gates Morse
Political Science
Hugh Geoffrey Moulton
History
David George Ormsby
Political Science
Domenic Joseph Paino
Political Science

Paul Livingstone Penfield, Jr.
Physics
Jack Arthur Peverill
Religion
Ellard Louis Pfaelzer, Jr.
History
André Jules Marie Pierre
Political Science
Charles Herman Pimlott, Jr.
Economics
Robert McCutchon Riggs
History
Harold Godfrey Jacob Schick, Jr.
Fine Arts
Ernest Van Benschoten Seasholes
History
Edson Peaslee Sheppard, Jr.
American Studies
Robert Louis Soltz
Political Science
Deane Henry Tank
Economics
Ronald Louis Tonidandel
American Studies
Herbert Jacob Tulchin
History
Joseph Vincent Uricchio, Jr.
Biology
Eugene Gilkison Wanger
Political Science
William Ezra Warren
American Studies
David Nelson Weinman
American Studies
Robert Byron Whitney, Jr.
Chemistry
Anthony John Wise, III
Geology
L. Carl Wolff
American Studies
Richard Warner Wright
Economics
Stephen Robbins Yarnall
Biology
Robert Berryhill Young
Economics

Rite

Joseph James Ackell, Jr.
Gilbert Donald Aliber
Albert Walker Allen, Jr.
Robert Randolph Allen
John Hornsey Cowan Anderson
James Harper Andrews
Thomas Edmund Atkinson
Gerard Ernest Ayers
Rudolph Joseph Basalo
Edward Charles Baumert
Bruce Wetmore Beaven
Richard Victor Bergren, Jr.
David Daniel Bixler, Jr.
Mason James Bower
James Douglas Brayer
Malcolm Hoyt Brickett
Norman Edward Brown
William Edward Burleigh
Allen Anderson Burns
John Branfield Campbell
Enrique Ochoa Castro
William Richard Cole, 3rd
Daniel Mumford Coleman
Frederic King Conover, II
Lewis Carter Cuyler
Samuel Chase Davenport
Christopher Holland Davidson
James McNulty Dillon
Walter Ward Dorrell, Jr.
Francis Aloysius Downey, Jr.
James Henry Duffy
Robert Remick Eckardt

James Wagner Endriss
Jerome Ronald Epstein
John Traver Felt
David Charles Ferner
Martin Lewis Field
Howard Bruce Flegal
Gordon Marshall Forbes
William Henry Francisco, Jr.
Neil Alan Franzen
Edward Crossett French
William Kimball Frymoyer
George Cromwell Gallagher
Steven Peter Goldstone
James Edward Good, II
Dana Gordon Gray
Philip Allen Greely
Ronald Edgar Gregson
John Scarlett Halsted
John Wilkes Hammond, II
James Philip Hanks
Edward Keasbey Hardy, III
Richard George H. Harris
John Schuyler Hart
Henry Buchen Head
Josiah Robert Henderson
Lewis Johnson Henshaw, Jr.
John Robert Herd
Fredric Martin Hertz
James Everett Hicks
Robert Lee Hildreth
Frederick Howard Hobbs
Paul von Hofen Hommeyer
James Francis Ittner
William Joseph Joy
Edward Payson Judd
Philip Jeffrey Kaplan
Henry Steven Keller
Thomas Ryland Kendrick
Robert John Kisiel
Paul Isaac Kuniholm
Gerry Campbell LaFollette
Kenneth Richard Lally
Richard John Langs
Ticknor Bushnell Litchfield
Theodore Dixon Long
Ralph Albert Lowenfield, Jr.
Victor Maccagnan
James Alexander Fraser MacCammond, Jr.
Donald Hugh MacDonald
Francis William McGirr, Jr.
Joseph Alan McLean
Frederick Earl McLendon, Jr.
Angus McLeod Mairs
Robert Bernard Maras
Alan Lester Marasco
Donald Jay Marcus
John Addison Marion
Walter Marks
Joel Shaw Minster
Anthony Albert Morano
Lawrence Emerson Morway
Abe Joseph Moses
Horace Chester Moses, III
Michael Spencer Muskat
Clyde Lester Nash, Jr.
Jean Louis Noël
William Simon Norden
Carl Frederick Oestermeyer, III
Robert Noble Palmer, Jr.
Donald Seymour Parsons
Julian Hardy Patten, II
Donald Erwin Paulson
Daniel S. Pearson
James Francis Peil
*Gordon Bangs Perry
George Jackson Phillips, Jr.
Frederick Seth Pope
Monroe Pray, Jr.
Charles Paul Pydych
Louis Christian Raegner
Robert Tyler Reed
John Tyler Resch
Charles Robertson Rogers, II

Died May 19, 1955.

William Elliott Rose
Robert Stephen Royce
Edward Lavino Ruegg
Frank Burkart Runser, Jr.
Richard Edward Ryder, Jr.
Edward Markley Schellenger, Jr.
Jay Warren Schmiedeskamp
Roger Anthony Schultz
Peter Wells Scott
Halvor Richardson Seward, Jr.
Robert Stuart Shaw
Napier Shelton
John Joseph Shillington, Jr.
Jan Winn Simpson
Richard Paul Slavin
Richard Ellis Smith
John Nelson Snell
Robert Philip Sowersby
John Ashcroft Spear, Jr.
Robert Whittlesey Spencer
Nicholas Taylor Stanford
Thomas Stanley Starodoj, Jr.
Carl William Stearn
George Edward Stephenson, Jr.
James Rae Stone
Richard Edward Strand
John David Sussman
Peter Francis Ellis Swinchatt
James Andrew Tague
John Canfield Tapley, Jr.
William Henry Tehan, Jr.
Clyde Robin Turner
Charles Brown Underwood
William Abel Vance
David Mynderse Van Hoesen
Lee Thomas Van Jones
Roger John Wendell
Thomas Adams Wilson
Peter Claesen Wykoff
Thomas William Wykoff
Robert Harris Zimmerman

Honorary Degrees Conferred June 12, 1955

MASTER OF ARTS

Edward Clark Crossett, 1905

DOCTOR OF SCIENCE

William Montague Cobb, 1925

DOCTOR OF HUMANE LETTERS

Fayette Curtis Canfield, 1925
Edward Williams Eames, 1922
Walter Raymond Agard, 1915
Yasaka Takagi

DOCTOR OF DIVINITY

John Bowen Coburn

DOCTOR OF LAWS

Clarence Francis, 1910
Stanley Elroy Qua
Earl Warren

Medals for Eminent Service Awarded June 12, 1955

John Anthony Hill, 1925
Frank Morrill Lay, 1893

Degrees Conferred November 5, 1955

BACHELOR OF ARTS

Rite

Stephen Batcheller Blair, Jr.
Francois Nicolas Steeg

IV

Enrollment

Enrollment

FALL SEMESTER
1955–1956

Graduate Students

Black, Craig Call	*Amherst, Mass.*
Casey, Richard Patrick	*New Salem, Mass.*
Chones, Athanasius James	*Springfield, Mass.*
Doherty, Richard Arthur	*Newport, Maine*
Grueninger, Walter	*Palisade, N. J.*
Homma, Nagayo	*Tokyo, Japan*
Rotheim, Minna Beverly	*Corona, N. Y.*
Sakakibara, Yasuo	*Kyoto, Japan*
Sommers, John Jerome	*Duluth, Minn.*
Whyte, Ronald A.	*Ludlow, Mass.*

Senior Class

Amaker, Norman Carey	*Garden City Park, L. I., N. Y.*
Anderson, James Peter	*Latham, N. Y.*
Anderson, John Whiting	*Highland Park, N. J.*
Anderson, Robert Andrew	*New Canaan, Conn.*
Andrews, Earnest Tisdale, III	*Avon, Conn.*
Angelides, Alexander Constantine	*Berlin, N. H.*
Anthony, Henry Franklin, 2nd	*Providence, R. I.*
Aronchick, Michael Peter	*Brooklyn, N. Y.*
Asplundh, Kurt Horigan	*Bryn Athyn, Pa.*
Atkinson, Karl Sinclair	*Washington, D. C.*
Atlas, James Robert	*Waterbury, Conn.*
Baird, William Ridenour	*Akron, Ohio*
Ball, Robert Markham	*Wilmington, Del.*
Barker, Richard Prescott	*Yonkers, N. Y.*
Bedford, Crayton Ward	*Middlebury, Vt.*
Beebe, David Scott	*Amherst, Mass.*
Birge, Clifford Allen	*St. Louis, Mo.*
Blackburn, James Clark	*Rosemont, Pa.*
Bliss, John Williams	*Greenwich, Conn.*
Blodgett, Edward Dickinson, Jr.	*Haddonfield, N. J.*
Bloomer, Harold Franklin, Jr.	*Riverside, Conn.*
Boley, Benjamin William	*Brooklyn, N. Y.*
Bradley, Bruce Vernon	*Springfield, Mass.*
Branigin, Robert Mardis	*Lafayette, Ind.*

Breed, Alexander Spotswood	*Lynn, Mass.*
Brown, Nicholas Barry	*Rochester, N. Y.*
Budd, Matthew Alan	*Newton Centre, Mass.*
Buebendorf, Donald Philip	*Chappaqua, N. Y.*
Burlingham, John Stewart	*Portland, Ore.*
Carlson, Paul Verner	*Summit, N. J.*
Carty, James Robert	*Bristol, N. H.*
Chaitovitz, Samuel Alfred	*New York, N. Y.*
Chance, Guy Pix	*South Sudbury, Mass.*
Cobb, Charles Sherman, III	*Pasadena, Calif.*
Cogan, Jerry Albert, Jr.	*Toronto, Ontario, Canada*
Congdon, Stephen Leeds	*Arlington, Vt.*
Corson, George Cadwallader, Jr.	*Plymouth Meeting, Pa.*
Cramer, Erich Hans Otto Ernest	*South Hadley, Mass.*
Crames, Michael Jay	*Scarsdale, N. Y.*
Crosby, Lawrence Roy, Jr.	*Framingham Center, Mass.*
Crothers, George Michael	*New York, N. Y.*
Crowell, Alexander Marcy	*Riverton, N. J.*
Damon, Allan Lincoln	*Springfield, Mass.*
Danielson, Winfield Scott, Jr.	*Teaneck, N. J.*
Davis, John Oliver	*New Rochelle, N. Y.*
Davis, Steven Ilsley	*Glens Falls, N. Y.*
Dibble, Edward Fletcher	*West Hartford, Conn.*
Disston, Geoffrey Whitmore	*New York, N. Y.*
Dunwoody, Joseph, Jr.	*Troy, N. Y.*
Eades, Joseph William	*St. Louis, Mo.*
Edwards, Ned Wolfe	*Merriam, Kansas*
Eisenthal, Robert Simon	*New York, N. Y.*
Eisold, Kenneth Robert	*Setauket, L. I., N. Y.*
Ellis, Arthur Boris	*Hartford, Conn.*
Elsbree, John Langdon	*Preston Hollow, N. Y.*
Elton, William Johnson, II	*Army Chemical Center, Md.*
England, Robert	*Bethesda, Md.*
Epstein, Robert Erwin	*New Rochelle, N. Y.*
Esty, Charles Place	*Amherst, Mass.*
Evans, Robert Lindsay	*Montclair, N. J.*
Eveleth, John Prentiss	*Longmeadow, Mass.*
Falk, Morris Stephen	*Woonsocket, R. I.*
Fay, Robert Sargent	*Columbus, Ohio*
Feinberg, Jack Heyman	*South Orange, N. J.*
Felfe, Claus	*Chevy Chase, Md.*
Fenn, Don Frederick	*Oakland, Calif.*
Fischer, John Richard	*Newton Highlands, Mass.*

Fish, William Charles	*Hamden, Conn.*
Flemma, George Robert John	*Utica, N. Y.*
Fossett, Birchard Clary	*Oakland, Maine*
Foster, John Winthrop	*Grinnell, Iowa*
Foster, Paul Gary	*Norwood, Mass.*
Fourman, Richard George	*Forest Hills, N. Y.*
Frank, Alfred, Jr.	*Louisville, Ky.*
Freeman, James Arthur	*Rochester, N. Y.*
Fulton, John Mayhew	*Cleveland Heights, Ohio*
Funkhouser, John Gray	*Exeter, N. H.*
Funnell, William Brewster	*Darien, Conn.*
Gams, Richard Alan	*New York, N. Y.*
Gask, Michael Mason	*New York, N. Y.*
Gately, Barry deOrmond	*Barrington, R. I.*
Glassie, Donelson Caffery	*San Francisco, Calif.*
Goldman, Michael Ira	*New York, N. Y.*
Goldthwait, John Abbey	*Winchester, Mass.*
Goodkind, John Morton	*Larchmont, N. Y.*
Goold, Peter	*Scarsdale, N. Y.*
Goss, Thomas Lanius	*Tucson, Ariz.*
Gotoff, Harold Charles	*New York, N. Y.*
Greene, Ralph Edward	*Washington, D. C.*
Griffith, John Quintin, III	*Margate City, N. J.*
Grousbeck, Harold Irving, II	*Northampton, Mass.*
Gutmann, Frank Trafton	*Auburn, Maine*
Hall, Joseph Edward, Jr.	*Brooklyn, N. Y.*
Hammons, James Hutchinson	*Noroton, Conn.*
Hamrin, Robert Sundell	*Evanston, Ill.*
Harris, John Edward Crane	*Sarasota, Fla.*
Harvey, James Gerald	*Eldon, Mo.*
Hauser, Richard Paul	*Great Neck, N. Y.*
Hawke, Roger Jewett	*Rockville Centre, N. Y.*
Hawkins, Douglas Warren	*Winchester, Mass.*
Heise, John William	*Glencoe, Ill.*
Hill, Thomas Jackson, Jr.	*Amherst, Mass.*
Hindle, Peter Gage	*South Dartmouth, Mass.*
Hirt, Paul Stanley, Jr.	*Mount Clemons, Mich.*
Hochman, Charles Bruce	*Weehawken, N. J.*
Hollister, Robinson Gill, Jr.	*Glen Ridge, N. J.*
Holloway, Robert Ross	*West Springfield, Mass.*
Hovendon, Gregory Bruce	*Westfield, N. J.*
Huber, Hans Anthony	*Locust, N. J.*
Hurlbut, Cornelius Searle, Jr.	*Belmont, Mass.*

Iannotta, Benjamin Carl, Jr.	*Plainfield, N. J.*
Irwin, James Wellington	*Lakewood, Ohio*
Jacobson, Jay Jacob	*New York, N. Y.*
Jenkins, James Streeter	*Hingham, Mass.*
Johnson, Bruce Crane	*West Hartford, Conn.*
Johnston, Thomas McElree, Jr.	*Coral Gables, Fla.*
Jones, Bruce William	*Los Altos, Calif.*
Jones, Peter Babcock	*Summit, N. J.*
Kalil, Charles Jeffrey	*Lawrence, Mass.*
Kallen, Roland Gilbert	*Newark, N. J.*
Karet, Jack Abraham	*Kenmore, N. Y.*
Karlin, Frederick James	*Winnetka, Ill.*
Kawanishi, Susumu	*Kanagawa, Japan*
Kidder, George Wallace, III	*Amherst, Mass.*
Klein, Ira William	*Clayton, Mo.*
Kleiner, Eugene Marcus	*Nampa, Idaho*
Klem, Charles, Jr.	*Mountain Lakes, N. J.*
Knight, Joseph Andrew, Jr.	*Pittsburgh, Pa.*
Knowles, Russell, Jr.	*Nonquitt, Mass.*
Krupman, Victor Stephan	*University Heights, Ohio*
Lang, Elliott Naren	*Brooklyn, N. Y.*
Leach, Charles Nelson, Jr.	*Newfane, Vt.*
Leet, Robert Arthur	*Ridgewood, N. J.*
Leff, Arthur Allen	*New York, N. Y.*
Levenstein, Alan Peter	*New York, N. Y.*
Levison, Peter Gerstle	*San Francisco, Calif.*
Lewis, William Eggleston	*Binghamton, N. Y.*
Li, James Kung-wei	*Ankara, Turkey*
Liberman, Samuel Halpern, II	*St. Louis, Mo.*
Lie, Hans Peter	*Rochester, N. Y.*
Linick, Evan Faller	*Northfield, Ill.*
Loud, Roger Sherman	*New York, N. Y.*
Lustig, Steven Alan	*Brooklyn, N. Y.*
Macauley, Richard Farrington	*Annandale, N. J.*
McCarthy, Richard Theodore	*Northampton, Mass.*
Macdonald, Bruce Alan	*Windsor, Conn.*
McGeeney, John Stephen	*Manhasset, N. Y.*
MacLaren, Alan Ross	*Worcester, Mass.*
McLellan, Allister Matheson	*Pelham, N. Y.*
McMullan, Bruce Whittaker	*Philadelphia, Pa.*
MacQueen, Duncan Alexander	*Sayville, L. I., N. Y.*
Magee, Edgar Eugene, Jr.	*Corning, N. Y.*
Manly, William Michael	*Medford, Mass.*

Mannheim, Charles Jon	*Amherst, Mass.*
Marks, Peter	*New York, N. Y.*
Milheim, Irvine George, Jr.	*Sharon, Pa.*
Moldenhauer, Joseph John	*Jackson Heights, L. I., N. Y.*
Morgan, Charles Bedford	*Malone, N. Y.*
Moulton, Charles Henry Towle	*Greenfield, Mass.*
Nathanson, Donald Lawrence	*Brooklyn, N. Y.*
Newberg, Donald William	*Hamden, Conn.*
Nickerson, Thomas Drake	*Belmont, Mass.*
Noble, Holcomb Ballou	*East Hartford, Conn.*
Noerdlinger, Victor Sigmund, Jr.	*New York, N. Y.*
Nygren, Edward John James	*Wilkes-Barre, Pa.*
Ooms, Van Doorn	*La Grange, Ill.*
Oppenheimer, Ernest Albert	*New York, N. Y.*
Parker, Alan Currie	*Andover, Mass.*
Pasternak, Herbert Stephen	*Scarsdale, N. Y.*
Patten, Duncan T.	*Bloomfield Hills, Mich.*
Pearsall, Henry Batterman	*Elgin, Ill.*
Phillips, John Robinson, II	*Amherst, Mass.*
Pilcher, David Bogart	*West Newton, Mass.*
Pincus, Jonathan Henry	*Brooklyn, N. Y.*
Poltenson, Arnold	*Syracuse, N. Y.*
Powers, Jonathan Goble	*Darien, Conn.*
Pruyne, Robert Ellis	*Newton, Mass.*
Quintana, Cesar Augusto	*San Nicolas, Argentina*
Rabbino, Michael David	*Brooklyn, N. Y.*
Radin, Eric Leon	*Brooklyn, N. Y.*
Rainey, Francis Barto, III	*Canton Center, Conn.*
Reichert, Forest Pratt	*Shaker Heights, Ohio*
Renander, Arthur William, Jr.	*West Hempstead, N. Y.*
Reusswig, William Norton	*Ho-Ho-Kus, N. J.*
Rhodes, Douglas Barnes	*Englewood, N. J.*
Ringer, Fritz Franz Klaus	*Upper Montclair, N. J.*
Ritter, Michael Peter	*Chalfont, Pa.*
Robart, Bernard	*Maisnil les Ruitz, France*
Roda, Peter Leonard	*Pittsford, N. Y.*
Rodgers, Theodore Stephan	*Short Hills, N. J.*
Roos, Daniel Hubert Raoul	*Arpajon, France*
Royse, John Nitsche	*Terre Haute, Ind.*
Rumrill, Charles Clark	*Pittsford, N. Y.*
Sabey, Florian Peter	*Rochester, N. Y.*
St. Clair, David Wright	*Cleveland Heights, Ohio*
Salot, William Harry	*Mount Clemons, Mich.*

Saybolt, Peter May	*Drexel Hill, Pa.*
Schramm, Peter	*Burlington, Iowa*
Schwartz, David Stephen	*New York, N. Y.*
Schwemm, John Butler	*Barrington, Ill.*
Segal, Gerald Arthur	*Pittsburgh, Pa.*
Sherzer, Fredric Harold	*New York, N. Y.*
Smith, Frederick Milton, II	*Portland, Maine*
Smyth, Douglas Roberts	*Midland Park, N. J.*
Snider, Joseph Lyons, Jr.	*Lincoln, Mass.*
Soman, Alfred	*Great Neck, N. Y.*
Sowalsky, Jerome Saul	*Hartford, Conn.*
Spencer, Thomas Ancrum, Jr.	*Chatham, N. J.*
Steere, Allan Warren	*Needham, Mass.*
Steinhauer, Roger Kent	*Toledo, Ohio*
Stephens, John Alton	*Vergennes, Vt.*
Steuber, Harry Bentley	*Rochester, N. Y.*
Swatland, Thomas York	*Newark, N. J.*
Swift, Richard Lawrence	*Amherst, Mass.*
Sylvester, Albert Lenthall, Jr.	*Cohasset, Mass.*
Symmes, Samuel Stowell	*Winchester, Mass.*
Talcott, James Hart	*Litchfield, Conn.*
Teasdale, Kenneth Stratton	*St. Louis, Mo.*
Teele, Thurston Ferdinand	*Needham, Mass.*
Thayer, William Sumner	*South Duxbury, Mass.*
Thomas, Robert Fairbanks	*West Hartford, Conn.*
Traub, Russell Goodrich	*Auburn, N. Y.*
Trimble, Robert Bacon	*Ho-Ho-Kus, N. J.*
Tudor, Peter Alexander	*Baldock, Herts, England*
Tyler, John Randolph, Jr.	*Canandaigua, N. Y.*
Vega, Arthur, Jr.	*East Longmeadow, Mass.*
Velton, William Lawrence	*Yakima, Wash.*
Volpert, Richard Sidney	*White Plains, N. Y.*
von Oppenheim, Alfred	*Cologne, Germany*
Waldo, John Royal	*Newport, N. H.*
Waller, Robin Whitney	*Niantic, Conn.*
Walles, James Alton	*Malden, Mass.*
Warburton, Robert King	*Hudson, Ohio*
Weil, Robert Hofflin	*Clayton, Mo.*
Weiller, Peter James	*New Canaan, Conn.*
White, James Justesen	*Harlan, Iowa*
White, Warren George	*Winthrop, Mass.*
Wickham, Peter Pettiner	*Glen Head, N. Y.*
Wiedemann, Theodore James	*Norristown, Pa.*

Williams, Douglas Maclin	*Marlboro, N. H.*
Williams, Roger Miller	*Ossining, N. Y.*
Winkelman, Arnold Charles	*Port Huron, Mich.*
Winship, Edward Newell, Jr.	*Winchester, Mass.*
Wolff, L. Richard	*Elkins Park, Pa.*
Woodall, Dudley Hawthorne	*Wayne, N. J.*
Wray, Peter Gregory	*New York, N. Y.*
Young, John Lotter	*Quincy, Mass.*
Zanger, Walter Jay	*Brooklyn, N. Y.*
Zink, John Charles	*Westfield, N. J.*
Zucker, Peter James	*Cleveland Heights, Ohio*

Junior Class

Alexander, Benjamin Hall	*Benton Harbor, Mich.*
Amabile, George Nicholas	*Princeton, N. J.*
Anderson, James Edwin	*Chatham, N. J.*
Anderson, Richard Lee	*Glen Ridge, N. J.*
Andrus, Carl Huber	*Bronxville, N. Y.*
Anspach, Edgar Kiser	*Highland Park, Ill.*
Ascari, William Quintin	*Wallingford, Conn.*
Asher, Robert Louis	*Washington, D. C.*
Avery, James Billings	*Amherst, Mass.*
Bagg, Robert Ely	*Maplewood, N. J.*
Barrington, Jonathan	*New Canaan, Conn.*
Barson, John George	*Larchmont, N. Y.*
Bathurst, William Eric	*Kansas City, Mo.*
Bellin, Howard Theodore	*Clifton, N. J.*
Benning, John Alan	*Benton Harbor, Mich.*
Biddle, Bruce	*Weston, Mass.*
Black, Alan Russell	*Nixon, N. J.*
Bleser, Edward Johnson	*Middlebury, Conn.*
Bloomberg, John Isaac	*New Rochelle, N. Y.*
Boenau, Douglas Charles	*Flushing, N. Y.*
Brenner, Richard Loeb	*Brooklyn, N. Y.*
Brook, John Robert, Jr.	*New York, N. Y.*
Brown, Donald Clyde	*Pittsburgh, Pa.*
Bullard, John Augustus, Jr.	*Fairfield, Conn.*
Burnett, Thomas Arthur	*Andover, Mass.*
Burt, Alvin Miller, III	*Stratford, Conn.*
Butler, Charles Alden	*New Rochelle, N. Y.*
Carlen, Robert Daniel	*New York, N. Y.*
Charles, Robert Simpson, III	*London, Ontario, Canada*

Chazin, Joel Matthew	*Jamaica, N. Y.*
Christiansen, Willard Bronson	*Amherst, Mass.*
Clark, George Alfred, Jr.	*Easton, Pa.*
Clark, Harold Frank, Jr.	*Darien, Conn.*
Clemence, Roger Davidson	*Southbridge, Mass.*
Cody, Thomas Joseph, Jr.	*Arlington, Mass.*
Colino, Richard Ralph	*Jackson Heights, N. Y.*
Connors, James Edward	*Somerville, Mass.*
Constantinople, James Dowling	*Washington, D. C.*
Covell, Carl John	*Merion, Pa.*
Craig, Thomas Goodrich	*Duxbury, Mass.*
Crane, Jeffrey Stuart	*Stroudsburg, Pa.*
Crockett, George Wallace	*South Casco, Maine*
Dahl, Victor Vinje	*Milwaukee, Wis.*
Dailey, Robert Hammond	*Maplewood, N. J.*
Damon, Peter Stanley	*Plymouth, Mass.*
Davis, Richard Whitlock	*Somers, Conn.*
Dearnley, Robert Wallace	*Cornwall, N. Y.*
deFilippi, Richard Paul	*New York, N. Y.*
DeKorte, Richard William	*Franklin Lakes, N. J.*
Dell, Glen Arthur	*Cadillac, Mich.*
Dillon, Matthew Jeremiah	*Ardsley-on-Hudson, N. Y.*
Dinkelspiel, John Randolph	*Brooklyn Heights, N. Y.*
Donelson, John Garfield	*Jamestown, N. Y.*
Donnell, Harold Eugene, Jr.	*Baltimore, Md.*
Donohue, William Paul	*Westfield, N. J.*
Drobnyk, John Wendel	*Millburn, N. J.*
Durk, David Burton	*New York, N. Y.*
Egloff, David Allen	*Mason City, Iowa*
Evans, Charles Suddards	*Gladwyne, Pa.*
Faerber, Don Bartley	*University City, Mo.*
Felton, Frederic Luther, Jr.	*Wellesley Hills, Mass.*
Flood, Stephen Balleray	*New York, N. Y.*
Furbish, George Albert	*Providence, R. I.*
Gadsby, Edward Northup, Jr.	*Littleton, Mass.*
Gardiner, Edwin Stanley	*New York, N. Y.*
Gardner, Pierce	*Chevy Chase, Md.*
Gault, James Harvey	*Dallas, Texas*
Gay, George Roger	*Ironton, Mo.*
Giffin, James Manning	*West Hartford, Conn.*
Gilbert, Edward Charles	*Brooklyn, N. Y.*
Girvin, Robert M., 4th	*Wynnewood, Pa.*
Gleitsman, Rael Isaac	*New York, N. Y.*

Goldblum, Lewis Donald	*Clayton, Mo.*
Goldin, Howard	*Yonkers, N. Y.*
Goutell, Carl Robert, III	*Chappaqua, N. Y.*
Gray, Carl Ralph	*Cleveland Heights, Ohio*
Gray, Douglas Mintie, Jr.	*Waban, Mass.*
Grayer, Stephen Poss	*Mount Vernon, N. Y.*
Gross, Avrum Michael	*South Orange, N. J.*
Hacker, George Leonard	*New Rochelle, N. Y.*
Haizlip, Harold Cornelius	*Washington, D. C.*
Hall, Edward Cameron Kirk	*Merion, Pa.*
Hanson, Donald Bruce	*Hartford, Conn.*
Harkness, Robert Whitman	*Haworth, N. J.*
Harris, Timothy Mather	*Albany, N. Y.*
Hastings, James Eastman	*Washington, D. C.*
Hastings, Philip Gray	*Cleveland, Ohio*
Hénon, Alain Louis	*Brussels, Belgium*
Hepworth, Derek Graham	*Swampscott, Mass.*
Herzog, Thomas Ducas	*South Salem, N. Y.*
Heuer, David Allan	*Rochester, N. Y.*
Heydt, Don Mueller	*Toledo, Ohio*
Higgins, William Waugh	*Worcester, Mass.*
Hill, Ian Capreol	*Rochester, N. Y.*
Hirsch, Richard Miles	*Drexel Hill, Pa.*
Hoffman, Edward Sander	*Holyoke, Mass.*
Holley, Marshall Rudd	*New Haven, Conn.*
Hollinshead, Warren Henry, II	*Rochester, Minn.*
Homer, John Robert, III	*Williamstown, Mass.*
Howard, Robert Edwin, Jr.	*Cincinnati, Ohio*
Howell, Chauncey Delphin, Jr.	*Easton, Pa.*
Hoyt, Norris Hulbert, Jr.	*Arlington, Mass.*
Huggins, Robert Michel	*Maplewood, N. J.*
Jackson, John Wingfield, Jr.	*Arlington, Va.*
Jeffers, William Allen, Jr.	*Wynnewood, Pa.*
Jefferson, Alfred	*Thiensville, Wis.*
Jewell, Edward Langdon	*Exeter, N. H.*
Johns, Sheridan Waite, III	*Morrisville, Pa.*
Johnson, Arne Robert	*New Britain, Conn.*
Jones, Thomas Cooper, Jr.	*Roselle Park, N. J.*
Juzek, Robert Gerald	*Nanuet, N. Y.*
Kambour, Edward Scott	*Warren, Mass.*
Kampmeier, Jack August	*Wyncote, Pa.*
Keiter, Robert Ernest	*Maplewood, N. J.*
Kermes, Kenneth Neal	*Darien, Conn.*

Kind, Stephen Joseph	*Jenkintown, Pa.*
King, Robert John	*Westfield, Mass.*
Kirshbaum, Gary Roy	*Elkins Park, Pa.*
Kline, Peter Lee	*Washington, D. C.*
Knight, Eliot Spalding	*Tucson, Ariz.*
Knight, Lewis Emerson	*Pittsburgh, Pa.*
Knowles, Kent Nesmith	*Northport, N. Y.*
Koopman, David Warren	*Bala-Cynwyd, Pa.*
Korell, Oscar Ernest	*Springfield, Mass.*
Koski, George Edward	*Gloucester, Mass.*
Lamont, Hayes Corliss	*New York, N. Y.*
Lane, William Morehead	*Canal Winchester, Ohio*
Leavitt, Richard Campbell, Jr.	*Port Chester, N. Y.*
Lee, Ralph Minor	*Middlebury, Vt.*
Lehman, Harry Jac	*Shaker Heights, Ohio*
Leonard, Daniel, Jr.	*Winnetka, Ill.*
Levy, Thomas Robert	*White Plains, N. Y.*
Lieberman, Moses Kaufman	*Elizabeth, N. J.*
Lindsay, David Taylor	*Northwoods, Pa.*
Lipton, Stanley Charles	*Jamaica, N. Y.*
Long, John Aloysius, Jr.	*Holyoke, Mass.*
Luce, Dudley Gordon, Jr.	*North Tarrytown, N. Y.*
McClune, David John	*Broomall, Pa.*
McGavic, John Dickinson	*Bryn Mawr, Pa.*
McLemore, John Whitfield	*Louisville, Ky.*
Masson, Robert Henry	*Belmont, Mass.*
Mathewson, George Atterbury	*Ithaca, N. Y.*
Mazur, Michael Burton	*New York, N. Y.*
Megliola, Anthony Mark	*Springfield, Mass.*
Megrue, George Henry	*New Canaan, Conn.*
Meyer, John deBard	*Great Neck, N. Y.*
Michelsen, Konrad Meyer	*Bellport, N. Y.*
Miller, Norman Carlile	*Evanston, Ill.*
Miller, Richard Wilbur	*Bala-Cynwyd, Pa.*
Min, Kong-Ki	*Seoul, Korea*
Mollenauer, James Frederick	*Rosemont, Pa.*
Mooers, Edwin Stanton	*Minneapolis, Minn.*
Moses, George Stebbins	*Winnetka, Ill.*
Neale, Robert Schwenn	*Jenkintown, Pa.*
New, Peter Stayer	*Santa Fe, N. M.*
Nightingale, Donald Trever	*Minneapolis, Minn.*
Norman, Joel M.	*New York, N. Y.*
Nugent, Jeffrey Bishop	*Rye, N. Y.*

O'Brien, Louis Dickinson	*Chevy Chase, Md.*
Ogdon, Thomas Hammer	*Tarrytown, N. Y.*
Olson, Roger Grove	*Cambridge, Mass.*
Ostheimer, John Theodore, Jr.	*Stamford, Conn.*
Parkhurst, Michael Edward	*Gloversville, N. Y.*
Patrick, William Albert, Jr.	*Nashville, Tenn.*
Pease, Charles Fessenden	*New Britain, Conn.*
Perles, David Robert	*Brooklyn, N. Y.*
Pfatteicher, Philip Henry	*Ridley Park, Pa.*
Pickrell, Robert Moulton	*Mt. Kisco, N. Y.*
Pinkham, William Clifford	*Groton, Mass.*
Plock, Richard Henry, Jr.	*Burlington, Iowa*
Pollak, Richard	*Chicago, Ill.*
Prigge, Charles Alan	*Northport, N. Y.*
Prosnitz, Leonard Richard	*New York, N. Y.*
Raff, Neil Charles	*Forest Hills, N. Y.*
Raithel, Robert Bingham, Jr.	*Verona, N. J.*
Reed, Frank Engelhart	*Short Hills, N. J.*
Reichert, John Frederick, IV	*Cleveland Heights, Ohio*
Reiners, Charles Henry	*Rochester, N. Y.*
Robinson, Winslow Porter	*Pasadena, Calif.*
Roblin, David McLean	*Lexington, Mass.*
Rogers, William Kingsbury	*Glastonbury, Conn.*
Ronan, Clifford John	*West Roxbury, Mass.*
Rose, Frank Stevens	*New York, N. Y.*
Rotner, Howard Ezra	*Yonkers, N. Y.*
Royse, James Samuel, Jr.	*Terre Haute, Ind.*
Sanders, Franklin Dulaney	*Wellesley Hills, Mass.*
Sanders, Timothy Bosworth	*Brooklyn, N. Y.*
Savage, James William	*Larchmont, N. Y.*
Schechter, Alan Henry	*Brooklyn, N. Y.*
Scheick, John Theodore	*Silver Spring, Md.*
Schultz, Michael Edward	*Flushing, N. Y.*
Schupf, Henri Axel	*New Rochelle, N. Y.*
Schwartz, Alan Asher	*Poughkeepsie, N. Y.*
Scott, Roy, Jr.	*Hadlyme, Conn.*
Seery, Francis Thomas, Jr.	*Arlington, Mass.*
Seibert, Peter Clarendon	*Maplewood, N. J.*
Shepard, Jackson	*Princeton, N. J.*
Shepherd, William Geoffrey	*Ames, Iowa*
Shoenberg, Robert Edward	*Melrose Park, Pa.*
Shore, Robert Avery	*Brooklyn, N. Y.*
Silbaugh, Morgan Collins	*Binghamton, N. Y.*

Silverman, William Roger	*Elizabeth, N. J.*
Sisson, Harry Mills, Jr.	*Westfield, N. J.*
Smith, Andrew Bardwell	*New York, N. Y.*
Smith, Charles Kay	*Fort Madison, Iowa*
Smith, Trevor Gaylord	*Larchmont, N. Y.*
Springer, Clement Francis, Jr.	*Winnetka, Ill.*
Stackpole, John Duke	*Milton, Mass.*
Strand, Robert Reilly	*Shaker Heights, Ohio*
Street, John Phillips, III	*Pittsford, N. Y.*
Stringer, Edward Charles	*St. Paul, Minn.*
Symon, Benjamin Goodall, Jr.	*Bronxville, N. Y.*
Taft, Morgan Barnes	*Shaker Heights, Ohio*
Tallman, Carter Bruce	*Winchester, Mass.*
Tamke, Alexander Rexer	*New Orleans, La.*
Tannenbaum, Herbert Walter	*Atlantic City, N. J.*
Taylor, Thomas Hewitt, Jr.	*Cleveland Heights, Ohio*
Temple, Kimball Boone	*Mt. Carmel, Conn.*
Thompson, John Marcus	*London, Ontario, Canada*
Thomson, Donald Owen	*Westfield, N. J.*
Tilley, Peter Merrill	*Storrs, Conn.*
Tinker, Wesley Rayner, III	*Wheeling, W. Va.*
Todd, George Bennett	*Evanston, Ill.*
Tooman, Arthur Ronald, Jr.	*Racine, Wis.*
Townley, Raymond David	*Haverford, Pa.*
Towvim, Harvey Leon	*Newton, Mass.*
Trout, Charles Hathaway	*Oneida, N. Y.*
Trowbridge, Theodore Daboll	*Stamford, Conn.*
Tuller, Stuart Sidney, Jr.	*Stockbridge, Mass.*
Turgeon, Charles Frederic	*Amherst, Mass.*
Twombly, Robert Gray	*New York, N. Y.*
Tyson, Charles Wesley, Jr.	*Summit, N. J.*
Underhill, John Harlan	*New Britain, Conn.*
Vernon, James Kenneth	*Medina, N. Y.*
Vestner, Eliot Noble, Jr.	*Bronxville, N. Y.*
Vickery, William McCall	*Ridgewood, N. J.*
Vitzthum, Richard Carleton	*San Diego, Calif.*
Wadman, John Calvert	*Auburndale, Mass.*
Walling, Alfred Michael	*Millburn, N. J.*
Walsh, Peter Newton	*St. Louis, Mo.*
Walton, Robert John	*Wellesley, Mass.*
Ward, Robert Appleby Alexander	*Kent, Conn.*
Ware, Robert Gorton	*Lewiston, Idaho*
Wasserstrom, Richard Alan	*Scarsdale, N. Y.*

Watson, Bruce Campbell	*Bryn Mawr, Pa.*
Wayland-Smith, Francis Giles	*Oneida, N. Y.*
Webster, Charles McIntyre	*Minneapolis, Minn.*
Webster, John Crosby Brown	*Bedford Hills, N. Y.*
Weinstein, Leslie Donald	*Middletown, N. Y.*
Weissman, Harold Arthur	*New York, N. Y.*
Wells, Charles Arthur, Jr.	*Newtown, Pa.*
Wendoloski, Carl Richard	*Hatfield, Mass.*
Wilan, Richard Anthony	*Westport, Conn.*
Wilber, John Franklin	*Briarcliff Manor, N. Y.*
Wood, Robert Bradley	*East Hartford, Conn.*
Wray, Michael Buckley	*New York, N. Y.*
Yale, Stephen Lake	*Cambridge, Mass.*
Yohn, Michael Van Breda	*Westport, Conn.*
Yu, Kwang	*Seoul, Korea*
Ziegenfus, William David	*Swarthmore, Pa.*
Zigler, Paul	*Wellesley, Mass.*

Sophomore Class

Abodeely, Michael Nassif, Jr.	*Worcester, Mass.*
Ackerman, Paul H.	*Brooklyn, N. Y.*
Adams, Keith Wilcox	*Omaha, Nebr.*
Alcaide, Theodore Otto	*Newton, Mass.*
Allen, James Paul	*Rumford, R. I.*
Ansbacher, Benjamin R.	*Burlington, Vt.*
Armstrong, Robert Avery	*Springfield, Mass.*
Arthur, Henry Bradford, Jr.	*Hinsdale, Ill.*
Atwood, James Foster	*Minneapolis, Minn.*
Baddock, Sheldon S.	*Baltimore, Md.*
Bassett, Earle Ross	*West Englewood, N. J.*
Bennett, Joseph Harold	*Bayonne, N. J.*
Bennett, Peter Stevens	*Barrington, R. I.*
Berman, Stanley Marvin	*Louisville, Ky.*
Biggert, Rody Patterson, Jr.	*Hinsdale, Ill.*
Bischof, John Edward George	*Rockville Centre, N. Y.*
Bissell, James Russell, III	*Webster Groves, Mo.*
Bliss, Charles Michael	*Lincoln, Mass.*
Bloom, Barry Robert	*Philadelphia, Pa.*
Bohanon, Michael Leo	*St. Louis, Mo.*
Bohmer, Harold, Jr.	*Amherst, Mass.*
Bonnett, Howard Thompson, Jr.	*Evanston, Ill.*
Bowers, Ralph Henin	*Longmeadow, Mass.*

Brown, Charles Henry, Jr.	*Lake Forest, Ill.*
Brown, Preston Charles	*Longmeadow, Mass.*
Brown, Ridley James	*Amherst, Mass.*
Brown, Wesley Miller	*Hutchinson, Kansas*
Burnham, Richard Irving	*Cooks Falls, N. Y.*
Burton, Richard Irving	*Providence, R. I.*
Cantor, William Lee	*Jersey City, N. J.*
Carmel, Robert	*Lawrence, N. Y.*
Carpenter, John Paul	*St. Paul, Minn.*
Carr, Norman Stewart	*Hanover, N. H.*
Charlton, John Kipp	*Hastings, Nebr.*
Chase, Philip Redfield, Jr	*Fayetteville, N. Y.*
Chisholm, Alan Laird	*Pleasantville, N. Y.*
Cole, Stanton Louis	*Canton, Ohio*
Condit, John Hillyer	*Montclair, N. J.*
Cowan, Dwight Billings	*South Shaftsbury, Vt.*
Crockett, Edward David, Jr.	*Washington, D. C.*
Danielson, Richard Renner	*Teaneck, N. J.*
Daus, Alan R.	*Shaker Heights, Ohio*
Davenport, John Leverett	*Riverside, Conn.*
Davidson, Frank Forest, Jr.	*Wellesley Hills, Mass.*
Davis, Charles Somers, III	*Philadelphia, Pa.*
Davis, John Paschall, Jr.	*Nashville, Tenn.*
Deane, Frederick Robinson McReynolds	*East Grand Rapids, Mich.*
deLemos, Robert A.	*Mount Vernon, N. Y.*
Derby, Joseph Patrick, Jr.	*Springfield, Mass.*
Diggs, Walter Edward, Jr.	*St. Louis, Mo.*
Dinces, Stephen Leonard	*Cedarhurst, N. Y.*
Dominick, Anthony	*West Hartford, Conn.*
Dorr, Glenn Bert, Jr.	*Madison, Conn.*
Dove, William Franklin, Jr.	*Oak Park, Ill.*
Eagles, Edward Prentice, II	*Washington, D. C.*
Eastman, Lucius Root, V	*San Antonio, Texas*
Eccles, Robert Stuart	*Owatonna, Minn.*
Eichenfield, Samuel L.	*East Rockaway, N. Y.*
Evers, Donald White, Jr.	*Glenbrook, Conn.*
Faissler, John Jacob, Jr.	*Chicago, Ill.*
Fauver, Worth Alfred, Jr.	*Elyria, Ohio*
Feinberg, Barry Jay	*New York, N. Y.*
Feingold, Martin Lawrence	*Brooklyn, N. Y.*
Feldman, Daniel Edward	*Dallas, Texas*
Fernald, Peter Sutcliffe	*Longmeadow, Mass.*
Fitchen, Allen Nelson	*Hamilton, N. Y.*

Follett, Alan Lee	*San Mateo, Calif.*
Fontana, Alan Fred	*Quincy, Mass.*
Ford, David Walter	*Chatham, N. J.*
Franck, Richard Wolfgang	*Springfield, Mass.*
French, James Benton, III	*Whitesboro, N. Y.*
Gardiner, Peter	*Forest Hills, N. Y.*
Gaunt, Abbot Stott	*Methuen, Mass.*
Gideonse, Hendrik David	*Great Neck, N. Y.*
Goddard, Alpheus John, III	*Sterling, Ill.*
Gold, Martin Roth	*New York, N. Y.*
Goldstein, Laurence Meyers	*New York, N. Y.*
Gorman, Thomas Carey	*Swampscott, Mass.*
Greaves, Edward Stanley	*Sayville, N. Y.*
Greenman, Frederic Edward	*Chestnut Hill, Mass.*
Groff, Gordon Baker	*Mount Vernon, N. Y.*
Gross, William B. Martin	*Hinsdale, Ill.*
Hannemann, William Charlton	*Denver, Colo.*
Harbach, Lee Brett	*Syracuse, N. Y.*
Harper, Emery Walter	*Branchville, N. J.*
Hart, Henry Clay, III	*Providence, R. I.*
Haught, Alan Frederic	*Bethesda, Md.*
Hayden, John Roderick	*Montclair, N. J.*
Hecht, Harvey Leon	*Belle Harbor, N. Y.*
Helmreich, Jonathan Ernst	*Brunswick, Maine*
Hewel, William Philip	*Richmond, N. H.*
Hicks, David Milton	*Worcester, Mass.*
Higinbotham, Arthur Elfring	*Pittsburgh, Pa.*
Hild, Allan S.	*Baldwin, N. Y.*
Hodge, Archibald Talbot	*Honeoye Falls, N. Y.*
Hoffman, Everett Mansfield, Jr.	*Gladwyne, Pa.*
Hopkins, John Bradford	*Brattleboro, Vt.*
Horton, Christopher Noble	*Saddle River, N. J.*
Hostetter, Amos Barr, Jr.	*Short Hills, N. J.*
Howe, William Farwell, II	*Cincinnati, Ohio*
Huber, David Goss	*Locust, N. J.*
Jackson, William Morris	*Hewlett, N. Y.*
James, David Bushrod, III	*Philadelphia, Pa.*
Jenkins, Peter Pineo, Jr.	*West Barnstable, Mass.*
Jewett, William Hugh	*Springfield, N. J.*
Johnson, Donald Fitch	*Duluth, Minn.*
Karet, James Michael	*Kenmore, N. Y.*
Keith, George Eldon, Jr.	*Brockton, Mass.*
Kelly, George Phillips	*Providence, R. I.*

Kern, Thomas Noel	*Cleveland Heights, Ohio*
Kleeb, Robert Henry, Jr.	*Wayne, Pa.*
Kligerman, Martin J.	*Ventnor City, N. J.*
Koff, David Edward	*Kingston, Pa.*
Konigsberg, Robert Alan	*New York, N. Y.*
Koretz, Allan Robert	*Highland Park, Ill.*
Krass, Alfred Charles	*Lynbrook, N. Y.*
Krumsiek, James Bernard	*Springfield, Mass.*
Krupman, William Allan	*University Heights, Ohio*
Kunz, Peter Leigh	*Park Ridge, Ill.*
Lagomarcino, John Paul, Jr.	*Burlington, Iowa*
Lanphere, Eric Daniel	*Corry, Pa.*
Lansinger, Lawrence Milfred	*Akron, Ohio*
Lear, George Andrew, Jr.	*Philadelphia, Pa.*
Lees, Charles William	*Chatham, Mass.*
Leftwich, Robert Francis, Jr.	*Bronxville, N. Y.*
Low, Kenneth Brooks, Jr.	*New Rochelle, N. Y.*
Luria, Edward David	*New York, N. Y.*
Lutz, Charles Albrecht	*West Hempstead, N. Y.*
Lyne, Stephen Richard	*Rutland, Vt.*
McDonald, Joseph Francis	*Pelham, N. Y.*
McLamb, Peyton Fentrell, Jr.	*Ridgewood, N. J.*
McLean, John Marshall	*Ayer, Mass.*
McMurray, Walter Joseph	*Greenfield, Mass.*
Madden, Peter Neville	*St. Paul, Minn.*
Magid, James Irwin	*Nashville, Tenn.*
Maher, Colin Michelson	*New York, N. Y.*
Maling, Stephen Gessner	*Cape Elizabeth, Maine*
Maud, George Dwight	*Blue Point, N. Y.*
Mayer, Roger Gottfried	*Madison, Wis.*
Mayhew, David Raymond	*Winsted, Conn.*
Megargee, Edwin Inglee	*Scottsdale, Ariz.*
Merritt, Richard Evalon	*Plattsburg, N. Y.*
Miller, John McCroskery, Jr.	*Newburgh, N. Y.*
Monroe, Frederick Fales	*New Rochelle, N. Y.*
Morgan, Jasper William, Jr.	*Windsor, Conn.*
Most, Albert Stephen	*Mount Vernon, N. Y.*
Nelson, Robert Ende, Jr.	*Maplewood, Mo.*
Niehuss, John Marvin	*Ann Arbor, Mich.*
Noer, Richard Juul	*Louisville, Ky.*
Norcott, Richard Bullard, Jr.	*Stamford, Vt.*
Northrop, James Watson	*Rochester, N. Y.*
Norton, John Bradley	*Longmeadow, Mass.*

Ohl, Ronald Edward	*Warren, Ohio*
Page, Harry Oliver, Jr.	*Albany, N. Y.*
Papa, John Smith, Jr.	*Bristol, Conn.*
Parker, Peter Donald MacDougal	*Shrewsbury, Mass.*
Parker, Robert Allan Ridley	*Shrewsbury, Mass.*
Patterson, Charles Wilson	*New Britain, Conn.*
Pendleton, John Braman	*Shaker Heights, Ohio*
Peterson, Nils Peter	*Wayzata, Minn.*
Porter, Roger Jeffery	*Elizabeth, N. J.*
Powell, Arthur George	*Staten Island, N. Y.*
Price, Don Cravens	*Scarsdale, N. Y.*
Rapson, Richard Lawrence	*New York, N. Y.*
Reopell, William Raymond	*Williamstown, Mass.*
Richman, Harold Samuel	*St. Petersburg, Fla.*
Richman, Marc William	*Brookline, Mass.*
Riendeau, Richard Rene	*Ware, Mass.*
Robinson, Warrick Charles	*Oyster Bay, N. Y.*
Rosen, Sheldon Alan	*Brooklyn, N. Y.*
Rounds, Thomas Emerson, III	*Danbury, Conn.*
Routh, Donald McMillan	*Sandusky, Ohio*
Rugh, Peter Newton	*Scotia, N. Y.*
Ryan, William James	*Summit, N. J.*
Sabin, James Norbeck	*Washington, D. C.*
Saltman, Michael Alan	*Mount Vernon, N. Y.*
Sams, John Robert	*Denver, Colo.*
Schaenen, Michael	*Dallas, Texas*
Schemm, Christopher Merrifield	*Grafton, Vt.*
Scherby, Michael Lawrence	*Jersey City, N. J.*
Schueller, Thomas George	*New Rochelle, N. Y.*
Schwartz, Stephen L.	*Flushing, N. Y.*
Scott, David Allan	*Warwick, R. I.*
Scutt, Harold Lockwood, Jr.	*White Plains, N. Y.*
Sheinin, James Charles	*Chicago, Ill.*
Sherman, Ronald Earl	*Englewood, N. J.*
Simon, Michael Arthur	*Maplewood, N. J.*
Slade, James William	*White Bear Lake, Minn.*
Smith, Alfred Nicol	*Duluth, Minn.*
Smith, Charles Bryan	*Weston, Mass.*
Smith, Winthrop Ware	*Fair Lawn, N. J.*
Snyder, Homer Evan	*Washington, D. C.*
Sonstroem, David Arthur	*Litchfield, Conn.*
Spero, Carl Michael	*New York, N. Y.*
Stafford, Noel Dennis, Jr.	*Lambertville, N. J.*

Stauber, Ralph Otto, Jr.	*Webster Groves, Mo.*
Stephens, David Rockwell	*South Woodstock, Vt.*
Stowe, David Henry, Jr.	*Washington, D. C.*
Strauss, Peter Franc	*Newtonville, Mass.*
Suzuki, David Takayoshi	*London, Ontario, Canada*
Sweeney, John Patrick, Jr.	*West Roxbury, Mass.*
Swope, Stephen Park	*Croton-on-Hudson, N. Y.*
Taylor, Marc Jules	*Mount Vernon, N. Y.*
Terino, Edward Owen	*East Greenbush, N. Y.*
Thaler, Seth Ulric	*Riverdale, N. Y.*
Thompson, Robert James	*Bethlehem, Pa.*
Tibbetts, Hutchin David	*Saratoga Springs, N. Y.*
Tilton, David Ward	*Chagrin Falls, Ohio*
Truesdell, Lynn George, III	*Minneapolis, Minn.*
Utsch, Hans Peter	*Scarsdale, N. Y.*
Utz, Leonard Meservey	*Port Washington, N. Y.*
Uyeda, Gordon Kanji	*Honolulu, T. H.*
Van Arnam, George Anibal, Jr.	*Northville, N. Y.*
Vance, John Warren, III	*Evanston, Ill.*
Van Dusen, Peter Cross	*Minneapolis, Minn.*
Vartes, George John	*Lesbos, Greece*
Vester, Norman Rohde, Jr.	*Springfield, Mass.*
Waite, Stephen Holden	*Rochester, N. Y.*
Walker, Robert David	*Wellesley, Mass.*
Warner, Albert Lyman, Jr.	*Washington, D. C.*
Warren, Bruce Alfred	*Arlington, Mass.*
Warren, William Albert	*Leipsic, Ohio*
Webb, Jean Francis, IV	*Ridgefield, Conn.*
Wenders, John Thomas, Jr.	*White Mills, Pa.*
West, Robert Edward	*Manchester Center, Vt.*
White, Asher Abbott, Jr.	*Minneapolis, Minn.*
Wieland, John George Fox	*Kenilworth, Ill.*
Wiggin, John Tracy	*Attleboro, Mass.*
Williams, Richard James	*Warren, Ohio*
Willis, George Pleasant, III	*El Campo, Texas*
Winram, Samuel Curtis	*Hingham, Mass.*
Winter, Norbert Forester, Jr.	*St. Paul, Minn.*
Wolf, Howard Robert	*New York, N. Y.*
Wolff, Morris Hirsch	*Elkins Park, Pa.*
Wolman, Howard Bennett	*Baltimore, Md.*
Woodruff, Spofford	*Barrington, R. I.*
Zinner, John	*Great Neck, N. Y.*

Freshman Class

Abbe, Robert Reed	*Wethersfield, Conn.*
Abbott, Wilder Kimball	*Rumford, Maine*
Abele, John Eaton	*Newton Highlands, Mass.*
Abeles, Richard Alan	*Chicago, Ill.*
Abruzzi, Reynold Thomas Joseph, Jr.	*Wayne, Pa.*
Alonso, Miguel Ramon	*Santurce, Puerto Rico*
Amiel, Joseph Jacob	*New York, N. Y.*
Amis, George Townsend	*Bronxville, N. Y.*
Andrews, Joseph Lyon, Jr.	*Scarsdale, N. Y.*
Angrist, Eugene Paul	*Belmar, N. J.*
Applewhite, James Vernon	*New Orleans, La.*
Ball, Richard Albert	*Wilmington, Del.*
Banner, Richard Lionel	*Brooklyn, N. Y.*
Barnes, Alexander Edward	*Ashburnham, Mass.*
Bartlett, James Theodore	*Larchmont, N. Y.*
Bartlett, Noel Sloane	*Upper Montclair, N. J.*
Baumann, Albert Otto, II	*Lakewood, Ohio*
Beckford, Joseph Gorham	*Hopkinton, Mass.*
Bedford, Frederick Thomas, III	*New York, N. Y.*
Beebe, Christopher	*Amherst, Mass.*
Behrendt, Douglas Mather	*Howard, R. I.*
Benjamin, Thomas Livingston	*Providence, R. I.*
Bennet, William Stiles	*Newburgh, N. Y.*
Bent, Bruce Duval	*Denver, Colo.*
Bernstein, Daniel Lewis	*Chevy Chase, Md.*
Betke, George Calhoun, Jr.	*Verona, N. J.*
Birge, Stanley Julius, Jr.	*St. Louis, Mo.*
Bloch, Herbert Spencer	*Canton, N. Y.*
Block, Peter Carl	*Baltimore, Md.*
Blystone, Richard Martin	*Elmira, N. Y.*
Bolton-Smith, Carlile, Jr.	*Washington, D. C.*
Bond, Richard Clarkson, Jr.	*Haverford, Pa.*
Borden, David Marshall	*Hartford, Conn.*
Bowie, Stuart Sheldon	*Swarthmore, Pa.*
Boyer, Jonathan David	*Fair Lawn, N. J.*
Brown, Samuel Alexander	*Maywood, N. J.*
Bryer, Jackson Robert	*New York, N. Y.*
Burwell, Lawrence Rogers	*Washington, D. C.*
Callard, Henry Francis	*Baltimore, Md.*
Carlen, Jans McKenzie	*Concord, N. H.*
Carter, Brock Thomas	*Cleveland Heights, Ohio*
Cashel, Charles Michael	*Worthington, Minn.*

Cavanagh, William Heasly	*New York, N. Y.*
Cederbaum, Stephen David	*Brooklyn, N. Y.*
Clapp, Peter Russell	*Amherst, Mass.*
Clark, Benjamin Preston, 3rd	*Framingham Center, Mass.*
Clark, Chester Dodge	*Rockport, Mass.*
Clark, John Levan Demaree	*Cynthiana, Ky.*
Close, John Campbell	*Glen Ridge, N. J.*
Cohen, Allan Ray	*University Heights, Ohio*
Coleman, Brady Steele	*Short Hills, N. J.*
Conklin, Peter Martin	*Amherst, Mass.*
Cook, Richard Alan	*Mohawk, N. Y.*
Coon, John Lewis, III	*Framingham Center, Mass.*
Cornell, Thomas Browne	*Shaker Heights, Ohio*
Coy, Albert Wayne, Jr.	*Albuquerque, N. M.*
Crawford, Kenneth Douglas	*Redwood City, Calif.*
Creamer, George Manley, Jr.	*Atherton, Calif.*
Creswell, Isaiah Thornton, Jr.	*Nashville, Tenn.*
Crosby, George Christian, Jr.	*Wayzata, Minn.*
Crowley, Hubert Cameron	*White Plains, N. Y.*
D'Alvia, Raymond Anthony	*Croton-on-Hudson, N. Y.*
Dalzell, Robert Fenton, Jr.	*Cleveland Heights, Ohio*
Davis, William Edwin, Jr.	*Billerica, Mass.*
Dean, John William	*New York, N. Y.*
DeHaas, Peter Hans	*Maplewood, N. J.*
Deisroth, Peter Brundage	*Hazleton, Pa.*
de la Ossa, Arthur Dwight	*Great Neck, N. Y.*
Deligeorges, John	*Niantic, Conn.*
Dellmuth, Carl Sturges	*Swarthmore, Pa.*
DeMallie, Richard Brink, Jr.	*Rochester, N. Y.*
Demcisak, John Michael	*Phoenixville, Pa.*
Denious, Robert Wilbur	*Denver, Colo.*
DeVivo, Darryl Claude	*Everett, Mass.*
Dickson, Colin Campbell	*Paoli, Pa.*
Dodyk, Paul Michael	*Hamtramck, Mich.*
Dower, John William	*Providence, R. I.*
Duncombe, Bruce Flagg	*Brockton, Mass.*
Eastman, O. Rolfe, Jr.	*Burlington, Vt.*
Edey, Winthrop Kellogg	*Brookville, L. I., N Y.*
Edwards, Gordon Stuart	*New Canaan, Conn.*
Edwards, John White	*Columbus, Ohio*
Eighmy, Thomas Harden	*Buffalo, N. Y.*
Erbsen, Claude Ernest	*New York, N. Y.*
Estrin, Mark Walter	*Brooklyn, N. Y.*

Esty, Peter Tuckerman	*Amherst, Mass.*
Ewing, James Hildreth	*Easthampton, Mass.*
Finn, James Webster	*Greenwich, Conn.*
Flanigan, James Michael	*Lincoln, Mass.*
Fortuin, Floyd David	*Ridgewood, N. J.*
Fosdick, Peter	*Longmeadow, Mass.*
Frank, Sanders Thalheimer	*Middletown, Conn.*
Freels, John William, Jr.	*Kenilworth, Ill.*
French, William Chapman	*White Plains, N. Y.*
Frymoyer, John Willard	*Foxboro, Mass.*
Gardiner, John Rolfe	*Bryn Mawr, Pa.*
Garson, Peter Kenneth	*Shaker Heights, Ohio*
Glickman, Albert Blau	*Cleveland, Ohio*
Goldberg, William Ira	*Highland Park, Ill.*
Goldin, Joel	*Yonkers, N. Y.*
Gordon, Leonard	*Brooklyn, N. Y.*
Gottesfeld, Kenneth Ray	*Denver, Colo.*
Goulder, Herbert Ira	*Shaker Heights, Ohio*
Graves, Timothy Frederic	*Clayton, Mo.*
Green, Robert Thomas, Jr.	*Shelby, Ohio*
Green, Theodore, III	*Williamsville, N. Y.*
Greenslade, Thomas Boardman, Jr.	*Staten Island, N. Y.*
Greer, Louis Raisler	*Rye, N. Y.*
Grosfeld, James Jacob	*Woodmere, L. I., N. Y.*
Guetti, James Lawrence, Jr.	*Somerville, N. J.*
Gundersheimer, Werner Leonard	*Philadelphia, Pa.*
Gunn, Giles Buckingham	*Highland Park, Ill.*
Gurko, Stephen	*New York, N. Y.*
Hagmann, John Shugart	*Mount Vernon, N. Y.*
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Stewart, Henry Holden	*Waltham, Mass.*
Stillman, James Sydney, III	*Brookline, Mass.*

Stramese, Paul Stephen	*Northampton, Mass.*
Strausbaugh, James Nelson, Jr.	*Meadville, Pa.*
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Taft, Sheldon Ashley	*Columbus, Ohio*
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Taylor, David Dax	*St. Louis, Mo.*
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Thompson, Kenneth Stuart	*New York, N. Y.*
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Ullmann, Laurence Emery	*Lake Bluff, Ill.*
Vaughan, Maurice Hamilton, Jr.	*Wilmington, N. C.*
Vibber, Stephen Lane	*Ridgewood, N. J.*
Vonckx, Paul Nelson, Jr.	*Hingham, Mass.*
Wadhams, John Dellert	*Bloomfield, Conn.*
Wadors, Boniface	*Linden, N. J.*
Walker, Robert Andrew, Jr.	*St. Davids, Pa.*
Wallace, James Donald	*Troy, N. Y.*
Ward, Samuel Porter	*Lake Bluff, Ill.*
Watkins, Mark E.	*Merion Station, Pa.*
Webster, Robert Edward	*Hamden, Conn.*
Weinsaft, Malcolm Howard	*Brooklyn, N. Y.*
Weir, Thomas Wilson	*Creve Coeur, Mo.*
Weisberger, William Ira	*Scarsdale, N. Y.*
Weston, Alan Eugene	*Cincinnati, Ohio*
Whitney, John Herbert	*Washington, D. C.*
Wilcox, Harvey John	*Elyria, Ohio*
Willis, Clodius Harris, Jr.	*Princeton, N. J.*
Wishnofsky, Stephen	*Brooklyn, N. Y.*
Witte, Gerhard	*Trenton, N. J.*
Wollan, David Strand	*Hingham, Mass.*
Wood, Albert Frederick	*Amherst, Mass.*
Wooten, Richard Leland	*Summit, N. J.*

Worfolk, Donald Edmund	*Orange, Conn.*
Wyly, William James, III	*Kansas City, Mo.*
Yegian, Charles Diran	*Pelham, Mass.*
Yeh, Max Wei	*Davis, Calif.*
Younger, Paul Holbrook	*Barrington, Ill.*
Zauber, Kenneth Paul	*West Allenhurst, N. J.*
Zimmermann, Robert Alan	*Wyncote, Pa.*

Students Not Enrolled as Candidates for a Degree

Call, William John	*Colrain, Mass.*
Fourniols, Alain Marc	*Le Visinet, France*
Hernandez, Alvaro Martin	*Madrid, Spain*
Kuriyama, Takakazu	*Tokyo, Japan*
Moleins, Charles Pierre	*Savoie, France*
Poole, Burton T.	*Amherst, Mass.*
Reichel, Heinrich Richard	*Pegnitz, Germany*
Waller, Peter Paul	*Ingolstadt, Germany*

SUMMARY OF ENROLLMENT

Fellows	31
Graduate Students	10
Seniors	250
Juniors	261
Sophomores	237
Freshmen	307
Students Not Enrolled as Candidates for a Degree	8
Total	1104

CLASSIFICATION OF UNDERGRADUATES BY RESIDENCE

New York	280	Rhode Island	15
Massachusetts	170	Michigan	14
New Jersey	103	Vermont	14
Connecticut	81	California	12
Pennsylvania	78	New Hampshire	10
Ohio	55	Maine	9
Illinois	43	Iowa	8
Missouri	24	Colorado	7
Minnesota	21	Texas	6
District of Columbia	19	Kentucky	5
Maryland	17	Wisconsin	5

Delaware	4	Canada	4
Indiana	4	Korea	3
Tennessee	4	France	2
Arizona	3	Honolulu, T. H.	2
Florida	3	Argentina	1
Virginia	3	Belgium	1
Idaho	2	Brazil	1
Kansas	2	China	1
Louisiana	2	England	1
Nebraska	2	Germany	1
New Mexico	2	Greece	1
Washington	2	Japan	1
West Virginia	2	Puerto Rico	1
Georgia	1	Turkey	1
North Carolina	1		
Oregon	1	Total	1055

V

The Alumni Associations

Alumni Associations

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